eText: Description of the g-formula and the included variables

We use the following notation to represent the variables and indices used in the formula. We use over-bars to indicate the history of time-dependent variables starting from time 0:

k: counter for discrete time periods of follow-up starting at *0* and ending at *K+1*

$a(j)$: treatment value during interval *j* as defined by the interventions

$a^*(j)$: value of treatment under no intervention during period *j*

$D(j)$: indicator for diabetes before the end of period *j* (1:yes, 0: no)

$N(j)$: indicator for death before the end of period *j* (1:yes, 0: no)

$C(j)$: indicator for censoring due to loss to follow-up before the end of period *j* (1:yes, 0: no)

$L(j)$: vector of measured time-varying covariates during period *j*; *L(0)* also includes fixed baseline covariates

The g-formula used to estimate the cumulative risk under is shown below. *f* indicates the density function and f^d indicates the density function under a particular intervention *d*. For a more detailed explanation of the quantities see the Appendix in Taubman et al.[1]

$$\sum_{k=0}^{K} \sum_{\bar{a}_K} \sum_{\bar{a}_K^*} \sum_{\bar{l}_K} \Pr[D(k+1) = 1 | \bar{a}(k), \bar{l}(k), \bar{D}(k) = \bar{N}(k+1) = \bar{C}(k) = 0]$$

$$\Pr[N(k+1) = 0 | \bar{a}(k), \bar{l}(k), \bar{D}(k) = \bar{N}(k) = \bar{C}(k) = 0]$$

$$\prod_{j=0}^{K} \Pr\left[D(j) = 0 \middle| \bar{a}(j-1), \bar{l}(j-1), N(j) = 0, \bar{D}(j-1) = \bar{C}(j-1) = 0\right]$$

$$\Pr[N(j) = 0 | \bar{a}(j-1), \bar{l}(j-1), \bar{D}(j-1) = \bar{N}(j-1) = \bar{C}(j-1) = 0]$$

$$f^d(a(j) | a^*(j), \bar{a}(j-1), \bar{l}(j), \bar{D}(j) = \bar{N}(j) = \bar{C}(j) = 0)$$

$$f(a^*(j) | \bar{a}(j-1), \bar{l}(j), \bar{D}(j) = \bar{N}(j) = \bar{C}(j) = 0)$$

$$f(l(j) | \bar{a}(j-1), \bar{l}(j-1), \bar{D}(j) = \bar{N}(j) = \bar{C}(j) = 0)$$

eTable 1: Covariates used to model incidence of type 2 diabetes in the Nurses' Health Study 1984-2008

Variable name (code name)	Years assessed	As dependent	As independent
Not modifiable			
Baseline age (baseage)	1984	Not predicted	Continuous and quadratic
Period/Calendar yr (period)	-	Not predicted	11 categories
History of type 2 diabetes in first degree relatives (fhx)	1982	Not predicted	2 categories
Employment (employed)	1982	Not predicted	8 categories [a]
Marital status (mar80)	1980	Not predicted	2 categories
College education (college)	1992	Not predicted	2 categories [b]
Husband's education (hhighsch, hcollege, hgradsch, heducmiss)	1992	Not predicted	4 categories [b,c]
High stress in daily life or work (stress82)	1982	Not predicted	2 categories [b]
Smoking prior to 1980 (smkhx)	-	Not predicted	2 categories
OCP use prior to 1980 (ochx)	-	Not predicted	2 categories
Body mass index at age 18 (lbmi18)	-	Not predicted	5 categories [d]
Baseline smoking	1982	Not predicted	5 categories [e]
Baseline physical activity (act82)	1982	Not predicted	6 categories [f]
Baseline food items (rpmeats82, whgrn82, coff82, soda82) [g]	1980	Not predicted	Quintile indicators
Baseline alcohol use (alc82)	1980	Not predicted	4 categories [h]
Baseline body mass index (bmi82)	1982	Not predicted	6 categories [i]
Directly modifiable			
Multivitamin use (mvi)	All periods	Logistic [j]	2 categories
Aspirin use (asn)	1984, 88-on	Nested Logistic	3 categories [k]
Statins (cig)	1988, 94-on	Logistic [j]	2 categories
Post-menopausal hormones (pmh)	All periods	Logistic [j]	2 categories
Smoking (cig)	All periods	Logistic then log-linear [l]	5 categories [e]
Physical activity (act)	1986, 88, 92-on	Linear [m]	6 categories [f,n]
Food items (rpmeats, whgrn, coff, soda) [g]	1984, 86, 90, 94, 98, 2002, 2006	Logistic then log-linear [l]	Quintile indicators [n]
Total calories (cal)	1984, 86, 90, 94, 98, 2002, 2006	Linear	Quintile indicators
Alcohol use (alc)	1984, 86, 90, 94, 98, 2002, 2006	Logistic then log-linear [l]	4 categories [h, n]
Indirectly modifiable			
Body mass index (bmi)	All periods	Log-linear [m]	6 categories [i]
High blood pressure (hbp)	All periods	Logistic to failure [o]	2 categories
High serum cholesterol (chl)	All periods	Logistic to failure [o]	2 categories
Myocardial infarction (mi)	All periods	Logistic to failure [o]	2 categories
Stroke (str)	All periods	Logistic to failure [o]	2 categories
Angina or coronary artery bypass grafts (angcbg) [p]	All periods	Logistic to failure [o]	2 categories

Cancer (can)	All periods	Logistic to failure [o]	2 categories
Menopause (mnp) [q]	All periods	Logistic to failure [o]	2 categories
Osteoporosis (ost)	All periods	Logistic to failure [o]	2 categories

[a] Categories were: employed as room nurse, employed as in-patient nurse, employed as out-patient nurse, employed in nursing education, employed as operating room nurse, employed as other nursing, employed as non-nursing, homemaker.

[b] A missing indicator was used for observations with missing values.

[c] Categories were: less than high school, high school, college, graduate school.

[d] Categories were: < 18.2, 18.3 - 22.1, 22.3-24.9, 25-29.9, ≥30 kg/m^2.

[e] Categories were: nonsmokers, <1, 1 -4, 5-14, 15-29 and ≥30 cigarettes/day.

[f] Categories were: <0.5, 0.5-1.49, 1.5-2.49, 2.5-3.49, 3.5- 4.49, ≥4.5 hours/week .

[g] These include red or processed meat, coffee, soda and whole grain. Categories were: for red or processed meat: 0-0.36, 0.37-0.60, 0.61-0.88, 0.89-1.34, ≥1.35 servings/day; for coffee: 0-0.06, 0.07-0.49, 0.5-0.99, 1-2.50, ≥2.51 cups/day; for soda: 0-0.06, 0.07-0.27, 0.28-0.70, 0.71-1.20, ≥1.21 servings/day; and for whole grain: 0-0.49, 0.5-1.06, 1.07-1.63, 1.64-2.57, ≥2.58 servings/day. We had to combine the last two categories of coffee intake and the last three categories of whole grain intake in the year 1980 due to small numbers. Soda intake was not comprehensively assessed in 1986, therefore, we used the data on soda intake from 1984 for this year.

[h] Categories were: nondrinkers, <1, 1-4.9, 5-9.9, ≥10 grams/day.

[i] Categories were: < 18.2, 18.3 - 22.1, 22.3-24.9, 25-29.9, 30-34.8, ≥34.9 kg/m^2.

[j] The variables predicted by logistic models were assigned a value of one if the predicted probability was greater than a random number from a uniform distribution.

[k] Categories were: no use, less than daily use, daily use or more.

[l] Covariates of outcome type 4 are predicted using two stages, first a logistic regression on an indicator of whether the variable is nonzero and then a linear regression of the log of the nonzero values.

[m] The variables predicted by a linear model were assigned a value equal to the predicted value plus the standard error multiplied by a random number from a normal (0,1) distribution. Simulated values of continuous risk factors were truncated so that they did not fall outside of the observed range.

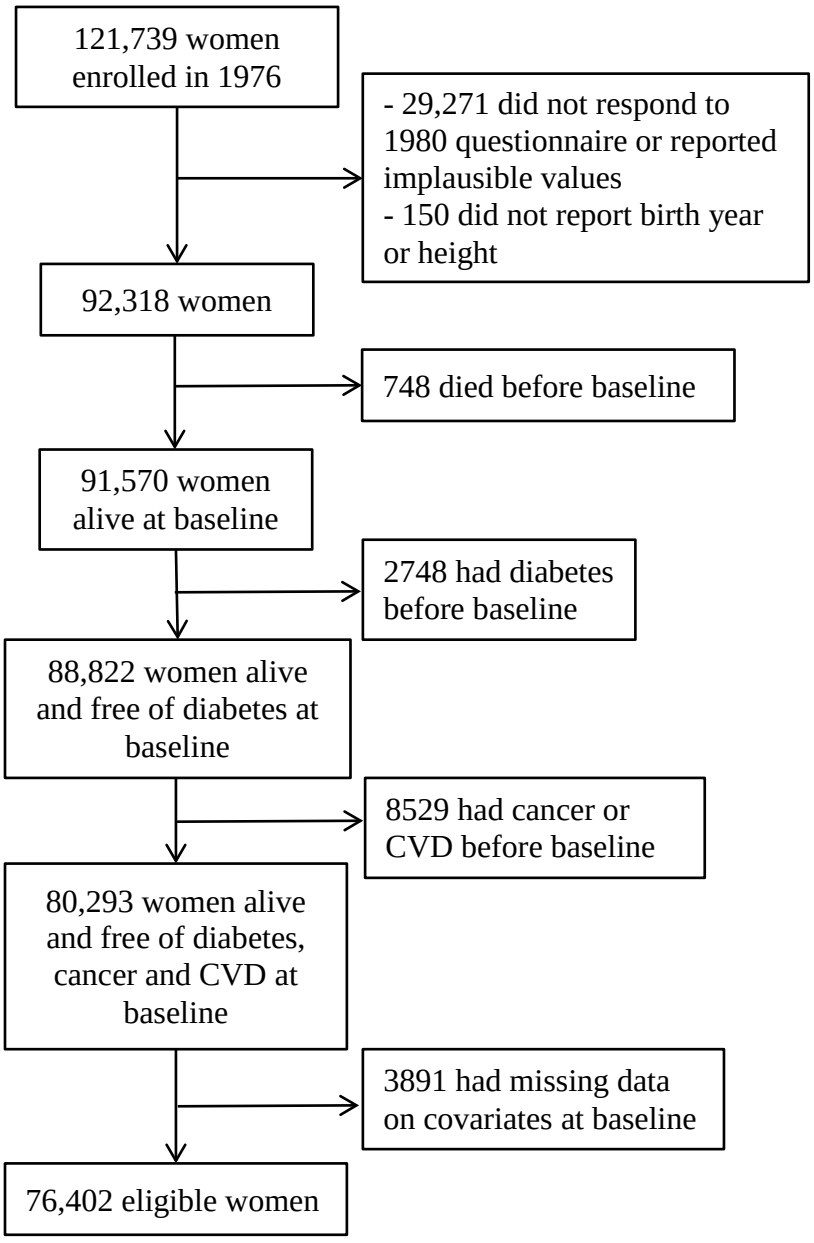
[n] Because diet, exercise and alcohol use was ascertained every 4 years during most of the follow-up we included both a main term and a product term between the value of the risk factor and the time since last measurement.

[o] For these variables, the value was predicted based on a logistic regression only if the predicted probability for the prior period was 0.

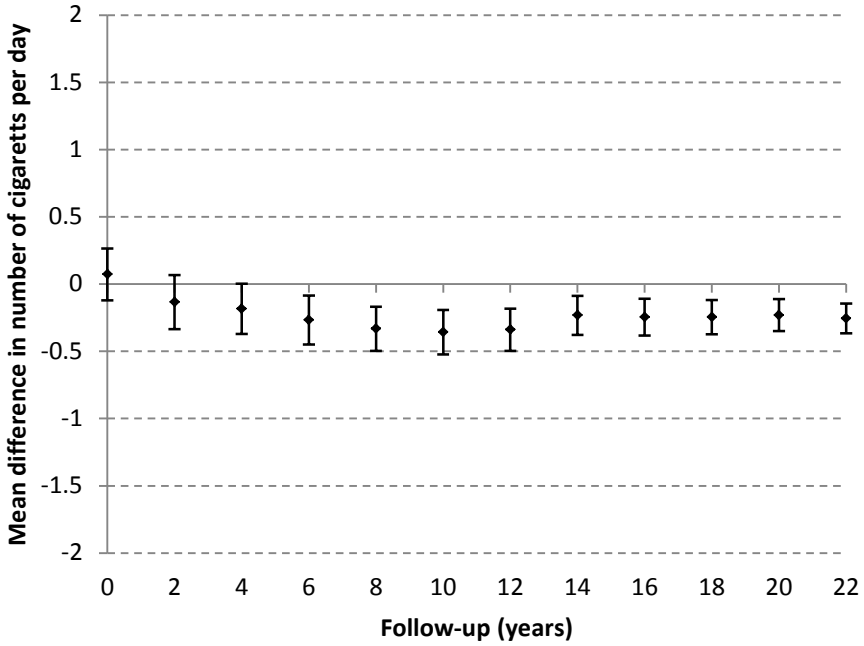
[p] In some subgroup analyses, we had to combine 2 or 3 variables into one variable to prevent convergence problems due to sparse data. For example, in the subgroup with family history of diabetes at baseline, which included 15802 nurses, we combined history of coronary artery bypass grafts, stroke and myocardial infarction into a single variable.

[q] The probability of menopause was set to1.0 in 2004 and 2006 or if age was ≥ 60 years.

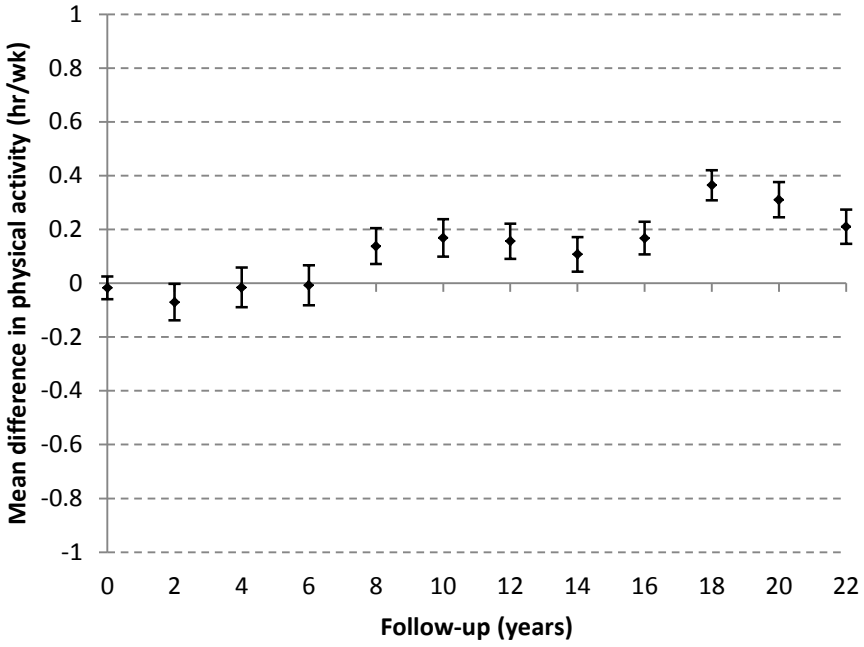
eFigure 1: Flowchart of participant selection



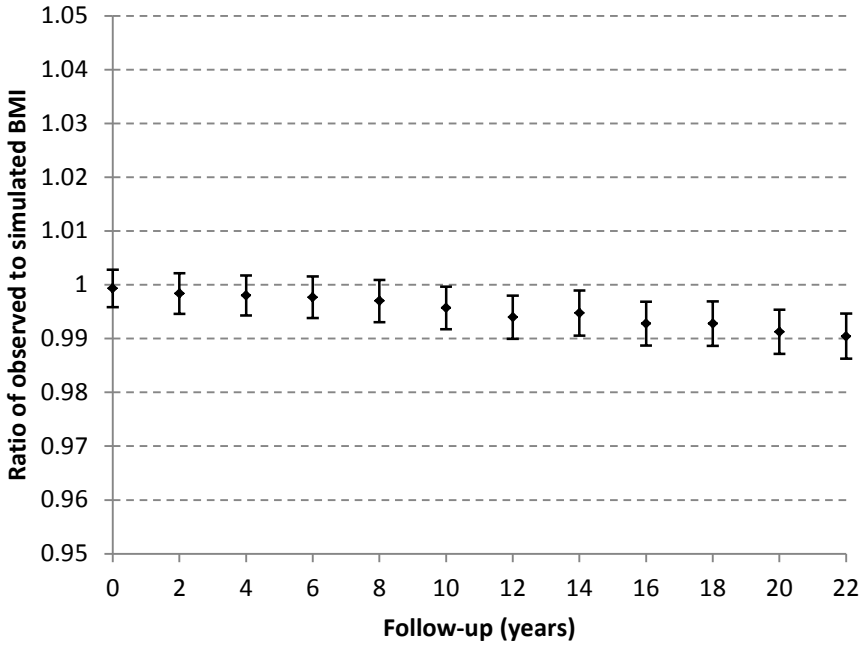
eFigure 2: Mean difference between observed and simulated values for the number of cigarettes smoked per day and their 95% confidence intervals by year of follow-up



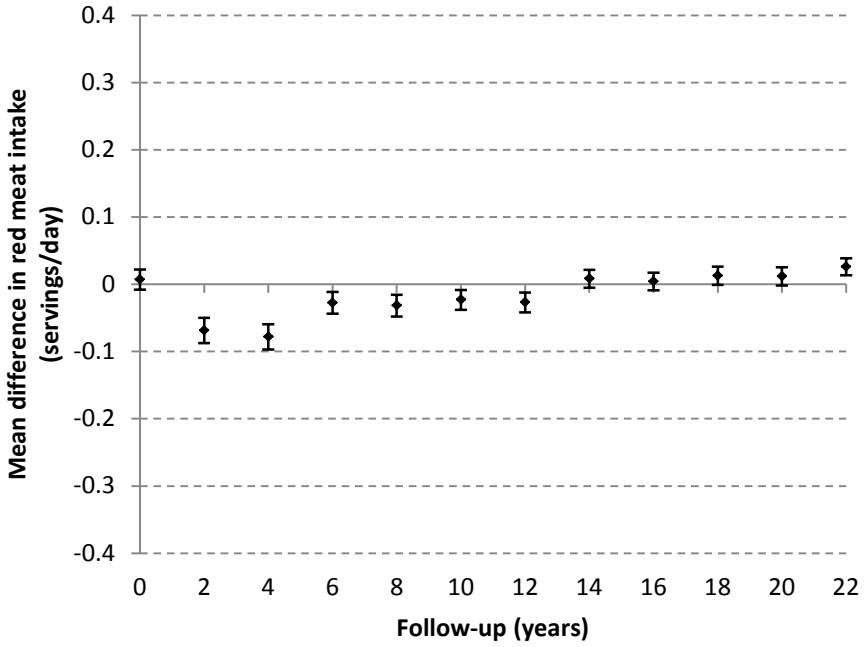
eFigure 3: Mean difference between observed and simulated values for physical activity and their 95% confidence intervals by year of follow-up



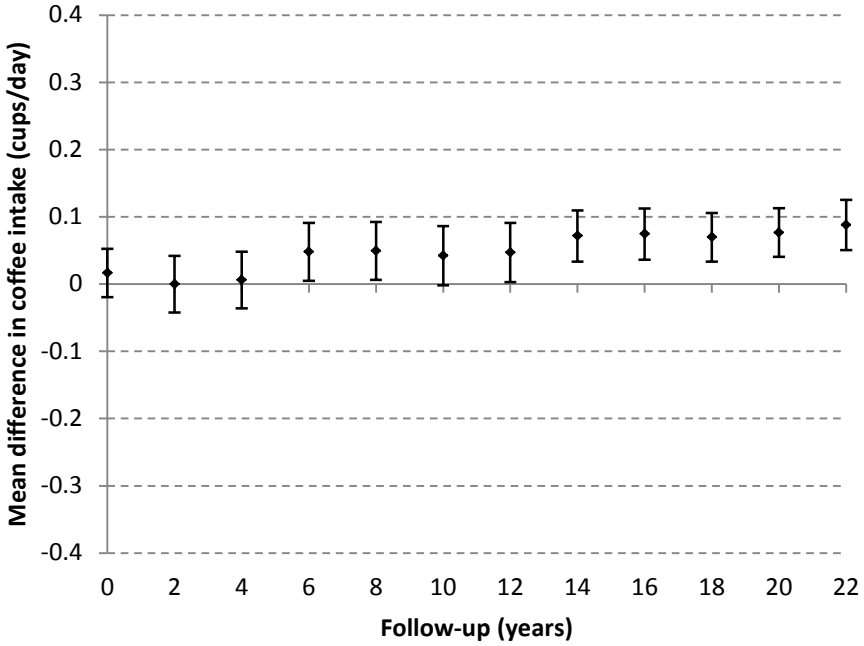
eFigure 4: Ratio of observed to simulated values of body mass index and their 95% confidence intervals by year of follow-up



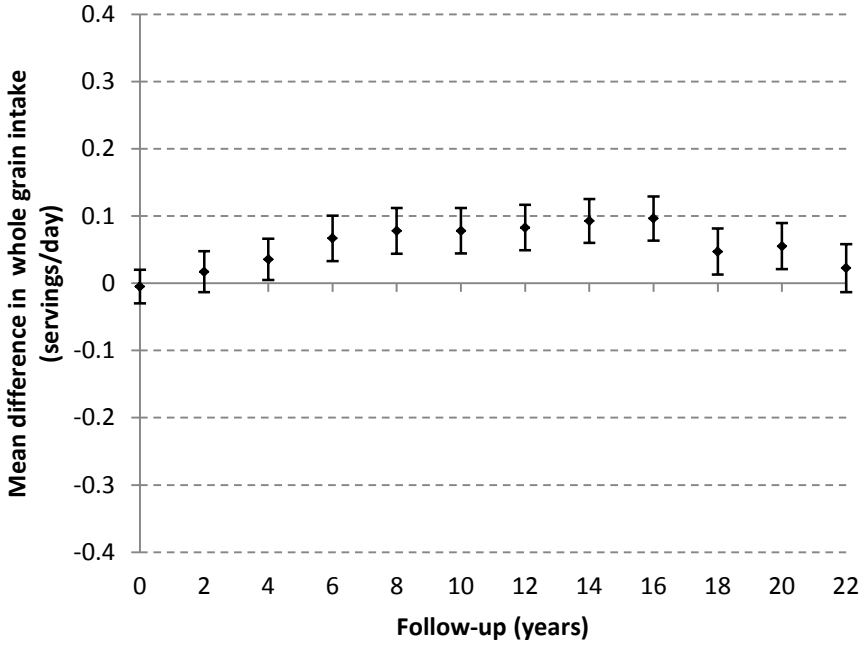
eFigure 5: Mean difference between observed and simulated values for intake of red meat and their 95% confidence intervals by year of follow-up



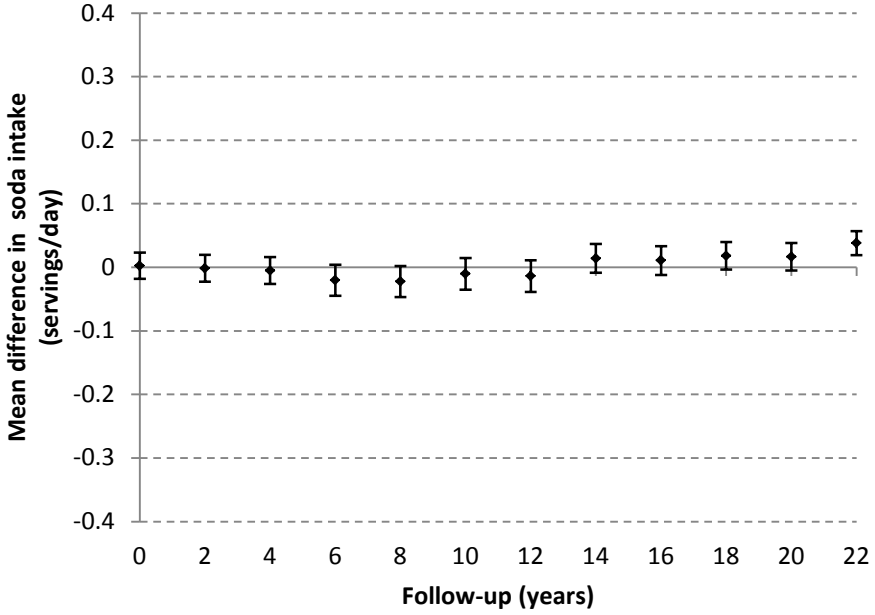
eFigure 6: Mean difference between observed and simulated values for intake of coffee and their 95% confidence intervals by year of follow-up



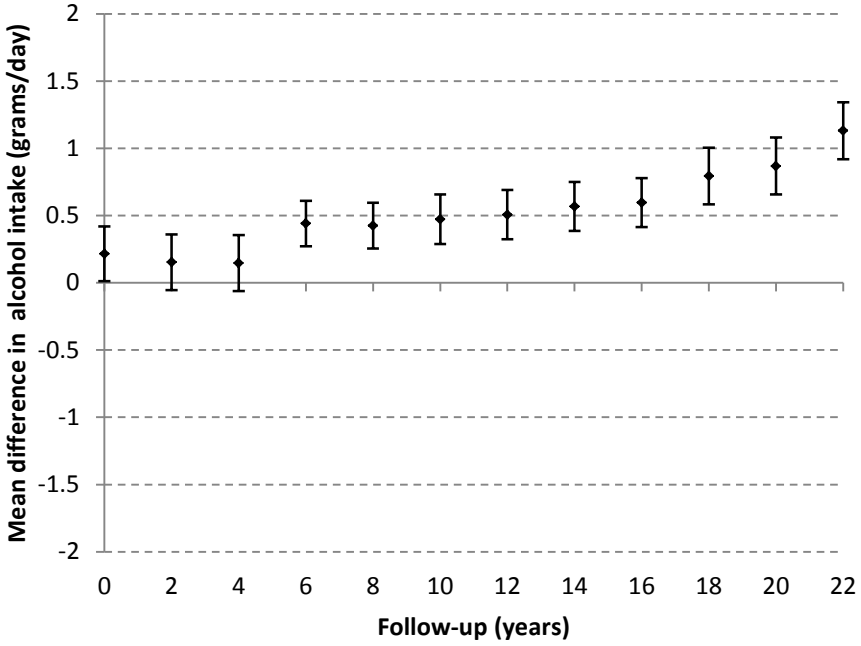
eFigure 7: Mean difference between observed and simulated values for intake of whole grain and their 95% confidence intervals by year of follow-up



eFigure 8: Mean difference between observed and simulated values for intake of soda and their 95% confidence intervals by year of follow-up



eFigure 9: Mean difference between observed and simulated values for intake of alcohol and their 95% confidence intervals by year of follow-up



eTable 2: Coefficients of regressions used in the simulations [a, b, c]

[a] For the list of code names see Table S1.

[b] The suffixes in the variable names are as follows: the numerical suffixes indicate the categories of the values of the covariates as explained in the footnotes of Table S1; *sq* means squared term for a continuous variable; *l1* indicates the value lagged for one period (i.e. 2 years); *l2* indicates a value lagged for 2 periods (i.e. 4 years); *ti* indicates the product term between the value of the variable and the time passed since the last measurement when values were carried forward.

[c] The prefix *l* indicates the natural log of the value of the variable.

(A) Logistic model to estimate the probability of diabetes

Parameter	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-4.8653	0.7578	41.2160	<.0001
fhx	0.6429	0.0283	515.5123	<.0001
smkhx	0.0968	0.0321	9.1083	0.0025
ochx	0.0831	0.0289	8.2542	0.0041
employed_1	0.0102	0.0554	0.0342	0.8532
employed_2	-0.0675	0.0891	0.5734	0.4489
employed_3	-0.00619	0.0432	0.0206	0.8859
employed_4	-0.0267	0.0585	0.2078	0.6485
employed_5	0.0467	0.0407	1.3139	0.2517
employed_6	0.0239	0.0627	0.1459	0.7025
employed_miss	0.1840	0.1919	0.9188	0.3378
mar80	-0.0283	0.0492	0.3297	0.5658
college	-0.0550	0.0325	2.8653	0.0905
college_miss	0.2518	0.2299	1.1995	0.2734
stress82	0.0292	0.0341	0.7355	0.3911
stress82_miss	0.0316	0.1791	0.0312	0.8597
hhighsch	-0.0949	0.0361	6.8998	0.0086
hcollege	-0.0514	0.0415	1.5307	0.2160
hgradsch	-0.0991	0.0464	4.5592	0.0327
heduc_miss	0.0842	0.1526	0.3048	0.5809
lbmi18_2	-0.2993	0.0325	84.5748	<.0001

lbmi18_3	-0.3984	0.0442	81.0597	<.0001
lbmi18_4	-0.5326	0.0869	37.5317	<.0001
baseage	0.0421	0.0296	2.0257	0.1547
baseage_sq	-0.00033	0.000291	1.3046	0.2534
bmi80_1	-0.7819	0.3311	5.5745	0.0182
bmi80_2	-0.7437	0.0868	73.3367	<.0001
bmi80_3	-0.5727	0.0706	65.7820	<.0001
bmi80_4	-0.3363	0.0596	31.8716	<.0001
bmi80_5	-0.1911	0.0541	12.4878	0.0004
act80_1	-0.0868	0.0385	5.0858	0.0241
act80_2	-0.0200	0.0456	0.1917	0.6615
act80_3	0.0233	0.0406	0.3276	0.5671
alc80_1	0.1040	0.0478	4.7377	0.0295
alc80_2	0.0488	0.0477	1.0437	0.3070
alc80_3	0.0573	0.0561	1.0435	0.3070
rpmeats80_1	0.0201	0.0874	0.0527	0.8184
rpmeats80_2	-0.0197	0.0515	0.1464	0.7020
rpmeats80_3	0.00198	0.0420	0.0022	0.9624
rpmeats80_4	-0.0207	0.0373	0.3074	0.5793
coff80_1	-0.0612	0.0383	2.5613	0.1095
coff80_2	-0.0203	0.0558	0.1322	0.7162
coff80_3	-0.0355	0.0832	0.1822	0.6695
whgrn80_1	0.1204	0.0409	8.6433	0.0033
whgrn80_2	0.0771	0.0443	3.0331	0.0816
soda80_1	-0.1866	0.0528	12.4859	0.0004
soda80_2	-0.1561	0.0429	13.2549	0.0003
soda80_3	-0.0839	0.0406	4.2633	0.0389
soda80_4	-0.0442	0.0376	1.3843	0.2394
cig80_1	-0.1842	0.0936	3.8751	0.0490
cig80_2	-0.2762	0.1325	4.3489	0.0370
cig80_3	-0.0404	0.1053	0.1473	0.7011
cig80_4	0.0419	0.0908	0.2124	0.6449

period_1	0.1418	0.1396	1.0317	0.3098
period_2	0.0497	0.0952	0.2731	0.6013
period_3	0.00746	0.1628	0.0021	0.9635
period_4	0.2323	0.1359	2.9223	0.0874
period_5	0.1519	0.1481	1.0517	0.3051
period_6	0.2360	0.0733	10.3649	0.0013
period_7	0.2891	0.1457	3.9380	0.0472
period_8	0.5159	0.0668	59.7184	<.0001
period_9	0.5239	0.1452	13.0263	0.0003
period_10	0.4342	0.0647	45.0929	<.0001
period_11	0.4229	0.1445	8.5648	0.0034
mnp_l1	0.0955	0.0694	1.8903	0.1692
mnp	0.1660	0.0764	4.7185	0.0298
pmh_l1	0.0582	0.0430	1.8333	0.1757
pmh	-0.3305	0.0446	54.7878	<.0001
ost_l1	-0.0763	0.0835	0.8340	0.3611
ost	-0.0544	0.0765	0.5051	0.4772
rpmeats_1	-0.3894	0.0678	33.0113	<.0001
rpmeats_1_ti	0.0306	0.0493	0.3841	0.5354
rpmeats_2	-0.2486	0.0601	17.1156	<.0001
rpmeats_2_ti	-0.0121	0.0448	0.0728	0.7873
rpmeats_3	-0.2933	0.0589	24.8312	<.0001
rpmeats_3_ti	0.0772	0.0432	3.1971	0.0738
rpmeats_4	-0.1463	0.0546	7.1910	0.0073
rpmeats_4_ti	-0.00168	0.0411	0.0017	0.9674
coff_1	0.3026	0.0675	20.1288	<.0001
coff_1_ti	-0.00632	0.0453	0.0195	0.8891
coff_2	0.4293	0.0697	37.9217	<.0001
coff_2_ti	-0.0594	0.0510	1.3541	0.2446
coff_3	0.3789	0.0825	21.0983	<.0001
coff_3_ti	-0.1044	0.0626	2.7775	0.0956
coff_4	0.3008	0.0489	37.8553	<.0001

coff_4_ti	-0.0421	0.0357	1.3915	0.2382
whgrn_1	-0.0497	0.0619	0.6435	0.4224
whgrn_1_ti	0.00925	0.0462	0.0400	0.8414
whgrn_2	-0.0349	0.0586	0.3551	0.5512
whgrn_2_ti	0.0704	0.0434	2.6280	0.1050
whgrn_3	-0.0264	0.0573	0.2115	0.6456
whgrn_3_ti	0.0706	0.0425	2.7638	0.0964
whgrn_4	-0.0576	0.0570	1.0220	0.3120
whgrn_4_ti	0.0739	0.0424	3.0453	0.0810
soda_1	-0.0502	0.0697	0.5180	0.4717
soda_1_ti	-0.0187	0.0428	0.1905	0.6625
soda_2	-0.0663	0.0559	1.4082	0.2354
soda_2_ti	0.0345	0.0322	1.1503	0.2835
soda_3	-0.1042	0.0549	3.6034	0.0577
soda_3_ti	0.0433	0.0316	1.8756	0.1708
soda_4	-0.1132	0.0540	4.3919	0.0361
soda_4_ti	0.0104	0.0319	0.1071	0.7435
cal_1	0.00774	0.0661	0.0137	0.9067
cal_1_ti	-0.0456	0.0491	0.8650	0.3524
cal_2	-0.0344	0.0613	0.3150	0.5747
cal_2_ti	-0.0477	0.0454	1.1039	0.2934
cal_3	-0.0235	0.0583	0.1625	0.6869
cal_3_ti	-0.0306	0.0431	0.5058	0.4770
cal_4	-0.00922	0.0558	0.0273	0.8687
cal_4_ti	-0.0504	0.0415	1.4786	0.2240
alc_1	0.4295	0.0676	40.3247	<.0001
alc_1_ti	0.000419	0.0446	0.0001	0.9925
alc_2	0.3351	0.0693	23.4018	<.0001
alc_2_ti	-0.0425	0.0488	0.7598	0.3834
alc_3	0.1386	0.0872	2.5225	0.1122
alc_3_ti	-0.0187	0.0645	0.0842	0.7716
cig_l1_1	-0.6010	0.1651	13.2537	0.0003

cig_1	-0.0946	0.1632	0.3358	0.5623
cig_l1_2	-0.3275	0.2053	2.5443	0.1107
cig_2	-0.2412	0.2076	1.3497	0.2453
cig_l1_3	-0.2644	0.1743	2.3025	0.1292
cig_3	-0.4088	0.1753	5.4379	0.0197
cig_l1_4	-0.0863	0.1504	0.3293	0.5661
cig_4	-0.4950	0.1530	10.4736	0.0012
mvi_l1	-0.00846	0.0319	0.0705	0.7906
mvi	-0.0434	0.0321	1.8290	0.1762
act_1	0.2310	0.0556	17.2664	<.0001
act_1_ti	-0.0860	0.0632	1.8530	0.1734
act_2	0.1259	0.0628	4.0209	0.0449
act_2_ti	-0.1312	0.0772	2.8919	0.0890
act_3	0.1421	0.1103	1.6611	0.1975
act_3_ti	0.0961	0.1365	0.4959	0.4813
act_4	0.0843	0.0726	1.3483	0.2456
act_4_ti	-0.0358	0.0771	0.2155	0.6425
act_5	-0.0877	0.1344	0.4261	0.5139
act_5_ti	0.0589	0.1886	0.0977	0.7546
can_l1	0.0520	0.1070	0.2363	0.6269
can	-0.0273	0.0969	0.0797	0.7777
bmi_l1_1	-1.3832	0.4897	7.9789	0.0047
bmi_1	-1.8099	0.4503	16.1572	<.0001
bmi_l1_2	-1.0888	0.1395	60.8995	<.0001
bmi_2	-1.4694	0.1367	115.5352	<.0001
bmi_l1_3	-0.8680	0.0956	82.4978	<.0001
bmi_3	-1.0745	0.0926	134.5778	<.0001
bmi_l1_4	-0.4696	0.0714	43.2896	<.0001
bmi_4	-0.6542	0.0686	90.9264	<.0001
bmi_l1_5	-0.2053	0.0557	13.6101	0.0002
bmi_5	-0.2332	0.0537	18.8710	<.0001
chl_l1	0.0809	0.0604	1.7909	0.1808

chl	0.0658	0.0606	1.1805	0.2773
hbp_l1	0.1775	0.0609	8.5021	0.0035
hbp	0.4529	0.0629	51.7932	<.0001
sta	0.3480	0.0378	84.6670	<.0001
sta_ti	-0.0873	0.0706	1.5273	0.2165
asn_l1_1	0.0603	0.0421	2.0441	0.1528
asn_1	-0.0958	0.0408	5.5253	0.0187
asn_l1_2	0.0107	0.0417	0.0653	0.7983
asn_2	-0.0741	0.0412	3.2375	0.0720
angcbg_l1	0.2123	0.1398	2.3067	0.1288
angcbg	-0.0525	0.1313	0.1597	0.6895
str_l1	-0.2333	0.2426	0.9251	0.3361
str	0.4046	0.2034	3.9581	0.0466
mi_l1	-0.0396	0.2604	0.0232	0.8790
mi	0.2597	0.2347	1.2251	0.2684

(B) Logistic model to estimate the probability of death

Parameter	**Log odds ratio**	**Standard error**	**Wald chi-square**	**P value**
Intercept	-9.4383	0.7788	146.8900	<.0001
fhx	-0.0225	0.0297	0.5749	0.4483
smkhx	0.2122	0.0304	48.5678	<.0001
ochx	-0.0162	0.0258	0.3957	0.5293
employed_1	-0.0403	0.0459	0.7723	0.3795
employed_2	-0.1120	0.0803	1.9477	0.1628
employed_3	-0.0992	0.0375	7.0187	0.0081
employed_4	-0.0986	0.0525	3.5222	0.0606
employed_5	-0.0401	0.0334	1.4478	0.2289
employed_6	-0.0768	0.0511	2.2614	0.1326
employed_miss	-0.3379	0.1561	4.6829	0.0305
mar80	0.0456	0.0396	1.3213	0.2504

college	-0.1489	0.0300	24.6332	<.0001
college_miss	16.2453	159.1	0.0104	0.9187
stress82	0.0140	0.0280	0.2504	0.6168
stress82_miss	0.1544	0.1440	1.1489	0.2838
hhighsch	-0.5726	0.0299	366.0429	<.0001
hcollege	-0.5683	0.0349	265.4183	<.0001
hgradsch	-0.5809	0.0384	229.2367	<.0001
heduc_miss	-0.3522	178.2	0.0000	0.9984
lbmi18_2	0.0515	0.0293	3.0989	0.0783
lbmi18_3	0.2596	0.0426	37.1544	<.0001
lbmi18_4	0.3735	0.0891	17.5654	<.0001
baseage	0.1282	0.0296	18.7424	<.0001
baseage_sq	-0.00046	0.000280	2.6482	0.1037
bmi80_1	-1.2911	0.1320	95.6447	<.0001
bmi80_2	-0.9648	0.0941	105.2112	<.0001
bmi80_3	-0.6902	0.0894	59.6149	<.0001
bmi80_4	-0.4551	0.0845	28.9743	<.0001
bmi80_5	-0.1830	0.0821	4.9712	0.0258
act80_1	-0.0631	0.0322	3.8520	0.0497
act80_2	-0.0220	0.0392	0.3151	0.5745
act80_3	-0.0113	0.0343	0.1081	0.7423
alc80_1	-0.2546	0.0367	48.1266	<.0001
alc80_2	-0.1941	0.0370	27.5031	<.0001
alc80_3	-0.1492	0.0431	12.0015	0.0005
rpmeats80_1	-0.0441	0.0651	0.4597	0.4978
rpmeats80_2	0.0261	0.0399	0.4269	0.5135
rpmeats80_3	0.0107	0.0358	0.0901	0.7640
rpmeats80_4	0.0154	0.0328	0.2196	0.6393
coff80_1	-0.0449	0.0333	1.8123	0.1782
coff80_2	-0.0559	0.0527	1.1232	0.2892
coff80_3	-0.1048	0.0801	1.7125	0.1907
whgrn80_1	-0.0358	0.0338	1.1171	0.2905

whgrn80_2	-0.0170	0.0362	0.2206	0.6386
soda80_1	0.0151	0.0418	0.1308	0.7176
soda80_2	0.0255	0.0390	0.4287	0.5126
soda80_3	0.0117	0.0399	0.0866	0.7685
soda80_4	-0.00329	0.0386	0.0072	0.9322
cig80_1	-1.0174	0.0635	256.6992	<.0001
cig80_2	-0.9640	0.1019	89.4929	<.0001
cig80_3	-0.5948	0.0727	66.9925	<.0001
cig80_4	-0.2359	0.0593	15.8108	<.0001
period_1	-15.1839	80.1815	0.0359	0.8498
period_2	-1.2437	0.0869	205.0280	<.0001
period_3	-0.8697	0.1487	34.1977	<.0001
period_4	-0.7614	0.1193	40.7205	<.0001
period_5	-0.5574	0.1265	19.4043	<.0001
period_6	-0.6675	0.0569	137.7146	<.0001
period_7	-0.1860	0.1241	2.2472	0.1339
period_8	-0.3781	0.0504	56.2257	<.0001
period_9	-0.0432	0.1243	0.1206	0.7284
period_10	-0.1966	0.0456	18.5780	<.0001
period_11	0.2281	0.1230	3.4387	0.0637
mnp_l1	-0.00584	0.0893	0.0043	0.9479
mnp	0.2343	0.1028	5.1883	0.0227
pmh_l1	0.1871	0.0364	26.4755	<.0001
pmh	-0.5382	0.0410	171.9888	<.0001
ost_l1	0.4294	0.0661	42.1703	<.0001
ost	-0.3166	0.0640	24.4690	<.0001
rpmeats_1	-0.1978	0.0589	11.2614	0.0008
rpmeats_1_ti	0.0227	0.0429	0.2789	0.5974
rpmeats_2	-0.1786	0.0568	9.8911	0.0017
rpmeats_2_ti	0.0165	0.0418	0.1559	0.6929
rpmeats_3	-0.0177	0.0556	0.1011	0.7506
rpmeats_3_ti	-0.0236	0.0414	0.3241	0.5691

rpmeats_4	-0.0445	0.0553	0.6454	0.4218
rpmeats_4_ti	-0.0192	0.0413	0.2157	0.6423
coff_1	0.5417	0.0567	91.2906	<.0001
coff_1_ti	-0.1171	0.0400	8.5646	0.0034
coff_2	0.4220	0.0614	47.2392	<.0001
coff_2_ti	-0.0127	0.0449	0.0797	0.7778
coff_3	0.3781	0.0715	27.9853	<.0001
coff_3_ti	-0.0578	0.0541	1.1429	0.2850
coff_4	0.1666	0.0429	15.0867	0.0001
coff_4_ti	-0.00363	0.0311	0.0137	0.9070
whgrn_1	0.3411	0.0550	38.4442	<.0001
whgrn_1_ti	-0.0703	0.0392	3.2228	0.0726
whgrn_2	0.2957	0.0532	30.9246	<.0001
whgrn_2_ti	-0.1207	0.0388	9.6781	0.0019
whgrn_3	0.1878	0.0536	12.2710	0.0005
whgrn_3_ti	-0.1029	0.0390	6.9486	0.0084
whgrn_4	0.2376	0.0514	21.3662	<.0001
whgrn_4_ti	-0.1138	0.0378	9.0354	0.0026
soda_1	-0.1018	0.0571	3.1758	0.0747
soda_1_ti	-0.00511	0.0341	0.0225	0.8808
soda_2	-0.0730	0.0527	1.9202	0.1658
soda_2_ti	-0.0172	0.0311	0.3054	0.5805
soda_3	-0.0237	0.0539	0.1940	0.6596
soda_3_ti	-0.0405	0.0325	1.5508	0.2130
soda_4	-0.0303	0.0550	0.3042	0.5813
soda_4_ti	-0.0258	0.0334	0.5993	0.4388
cal_1	-0.0335	0.0567	0.3483	0.5551
cal_1_ti	0.0203	0.0423	0.2307	0.6310
cal_2	-0.00006	0.0541	0.0000	0.9991
cal_2_ti	0.00232	0.0403	0.0033	0.9540
cal_3	-0.0109	0.0533	0.0418	0.8381
cal_3_ti	-0.0312	0.0398	0.6149	0.4330

cal_4	-0.0628	0.0531	1.3990	0.2369
cal_4_ti	0.0201	0.0391	0.2640	0.6074
alc_1	0.3788	0.0486	60.8690	<.0001
alc_1_ti	-0.0166	0.0314	0.2783	0.5978
alc_2	0.1757	0.0533	10.8813	0.0010
alc_2_ti	-0.0286	0.0374	0.5841	0.4447
alc_3	0.1799	0.0637	7.9747	0.0047
alc_3_ti	-0.0768	0.0476	2.6033	0.1066
cig_l1_1	-0.2344	0.1300	3.2508	0.0714
cig_1	0.2233	0.1379	2.6213	0.1054
cig_l1_2	-0.00530	0.1538	0.0012	0.9725
cig_2	0.1199	0.1630	0.5414	0.4618
cig_l1_3	-0.1586	0.1334	1.4132	0.2345
cig_3	-0.0225	0.1426	0.0249	0.8747
cig_l1_4	-0.1478	0.1184	1.5581	0.2120
cig_4	-0.0434	0.1287	0.1139	0.7358
mvi_l1	0.1075	0.0301	12.7532	0.0004
mvi	-0.0215	0.0303	0.5039	0.4778
act_1	0.5508	0.0473	135.5033	<.0001
act_1_ti	-0.1849	0.0602	9.4382	0.0021
act_2	0.2142	0.0553	14.9869	0.0001
act_2_ti	-0.1429	0.0770	3.4484	0.0633
act_3	0.1870	0.1056	3.1359	0.0766
act_3_ti	-0.2427	0.1627	2.2231	0.1360
act_4	0.0495	0.0654	0.5743	0.4486
act_4_ti	0.0272	0.0771	0.1240	0.7248
act_5	-0.1307	0.1269	1.0596	0.3033
act_5_ti	-0.1688	0.2209	0.5837	0.4449
can_l1	-0.7029	0.0466	227.9790	<.0001
can	1.8062	0.0411	1934.6684	<.0001
bmi_l1_1	-0.1361	0.1398	0.9477	0.3303
bmi_1	2.3200	0.1297	319.8185	<.0001

bmi_l1_2	-0.4081	0.1152	12.5587	0.0004
bmi_2	1.5419	0.1105	194.7038	<.0001
bmi_l1_3	-0.2772	0.1082	6.5655	0.0104
bmi_3	0.9331	0.1050	78.9045	<.0001
bmi_l1_4	-0.1719	0.1000	2.9584	0.0854
bmi_4	0.5586	0.0976	32.7497	<.0001
bmi_l1_5	-0.0945	0.0881	1.1499	0.2836
bmi_5	0.1290	0.0879	2.1545	0.1422
chl_l1	0.4591	0.0733	39.2040	<.0001
chl	-0.4941	0.0730	45.7904	<.0001
hbp_l1	0.5102	0.0701	52.9269	<.0001
hbp	-0.2452	0.0705	12.0987	0.0005
sta	-0.4464	0.0378	139.5656	<.0001
sta_ti	0.1401	0.0637	4.8374	0.0278
asn_l1_1	-0.1803	0.0360	25.1365	<.0001
asn_1	0.5566	0.0364	234.1471	<.0001
asn_l1_2	-0.0859	0.0376	5.2200	0.0223
asn_2	0.0569	0.0407	1.9558	0.1620
angcbg_l1	0.1763	0.1309	1.8121	0.1783
angcbg	0.0638	0.1250	0.2603	0.6099
str_l1	0.3153	0.1632	3.7313	0.0534
str	0.3210	0.1478	4.7167	0.0299
mi_l1	0.4527	0.2239	4.0886	0.0432
mi	0.1405	0.2099	0.4482	0.5032

(C) Logistic model to estimate the probability of menopause

Parameter	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-2.9465	0.8672	11.5457	0.0007
fhx	-0.00903	0.0196	0.2118	0.6454
smkhx	0.0709	0.0181	15.3568	<.0001

ochx	-0.0838	0.0165	25.8941	<.0001
employed_1	0.0542	0.0315	2.9735	0.0846
employed_2	0.0927	0.0471	3.8742	0.0490
employed_3	0.0340	0.0249	1.8640	0.1722
employed_4	0.0349	0.0317	1.2137	0.2706
employed_5	0.0131	0.0239	0.3027	0.5822
employed_6	0.00507	0.0350	0.0210	0.8849
employed_miss	-0.1355	0.1075	1.5897	0.2074
mar80	-0.0123	0.0300	0.1679	0.6819
college	0.0705	0.0170	17.1257	<.0001
stress82	-0.0264	0.0187	1.9984	0.1575
stress82_miss	-0.1728	0.1003	2.9688	0.0849
hhighsch	0.1888	0.0210	80.9630	<.0001
hcollege	0.1585	0.0223	50.7270	<.0001
hgradsch	0.1645	0.0234	49.2923	<.0001
lbmi18_2	0.000255	0.0197	0.0002	0.9897
lbmi18_3	0.0403	0.0312	1.6665	0.1967
lbmi18_4	0.0613	0.0739	0.6866	0.4073
baseage	-0.0844	0.0386	4.7842	0.0287
baseage_sq	0.00525	0.000426	152.3331	<.0001
bmi80_1	0.1823	0.1132	2.5955	0.1072
bmi80_2	0.0888	0.0755	1.3830	0.2396
bmi80_3	0.0218	0.0715	0.0932	0.7601
bmi80_4	0.00246	0.0674	0.0013	0.9709
bmi80_5	-0.0479	0.0631	0.5760	0.4479
act80_1	0.0166	0.0238	0.4853	0.4860
act80_2	-0.0127	0.0271	0.2204	0.6387
act80_3	0.00779	0.0242	0.1033	0.7479
alc80_1	-0.0164	0.0278	0.3477	0.5554
alc80_2	-0.0473	0.0262	3.2624	0.0709
alc80_3	-0.00463	0.0286	0.0262	0.8715
rpmeats80_1	-0.1070	0.0501	4.5560	0.0328

rpmeats80_2	-0.0197	0.0296	0.4443	0.5051
rpmeats80_3	0.0313	0.0236	1.7707	0.1833
rpmeats80_4	0.00136	0.0210	0.0042	0.9482
coff80_1	-0.00904	0.0231	0.1528	0.6959
coff80_2	-0.0569	0.0312	3.3301	0.0680
coff80_3	0.0154	0.0491	0.0986	0.7535
whgrn80_1	0.00651	0.0236	0.0764	0.7823
whgrn80_2	-0.0275	0.0255	1.1609	0.2813
soda80_1	0.0244	0.0308	0.6270	0.4285
soda80_2	0.0209	0.0254	0.6758	0.4110
soda80_3	-0.00189	0.0243	0.0060	0.9382
soda80_4	-0.0164	0.0230	0.5120	0.4743
cig80_1	-0.1929	0.0731	6.9696	0.0083
cig80_2	-0.2512	0.0872	8.3052	0.0040
cig80_3	-0.1099	0.0790	1.9377	0.1639
cig80_4	-0.0411	0.0682	0.3626	0.5471
period_2	-6.5366	0.1118	3420.0480	<.0001
period_3	-5.8481	0.1037	3182.7228	<.0001
period_4	-5.0625	0.0845	3592.1652	<.0001
period_5	-4.2058	0.1091	1486.2281	<.0001
period_6	-3.2997	0.0795	1722.2274	<.0001
period_7	-2.6740	0.1018	689.8107	<.0001
period_8	-1.8295	0.0789	537.6775	<.0001
period_9	-0.6956	0.1056	43.3680	<.0001
pmh_l2	0.1727	0.0352	24.0228	<.0001
pmh_l1	-0.7385	0.0315	549.5432	<.0001
ost_l2	0.0153	0.1030	0.0221	0.8817
ost_l1	0.0818	0.0856	0.9138	0.3391
rpmeats_l1_1	0.1067	0.0389	7.5424	0.0060
rpmeats_l1_1_ti	-0.00829	0.0301	0.0759	0.7829
rpmeats_l1_2	0.0465	0.0324	2.0586	0.1513
rpmeats_l1_2_ti	0.0187	0.0257	0.5276	0.4676

rpmeats_l1_3	0.0799	0.0304	6.8911	0.0087
rpmeats_l1_3_ti	-0.00353	0.0243	0.0210	0.8848
rpmeats_l1_4	0.0436	0.0276	2.4947	0.1142
rpmeats_l1_4_ti	-0.00611	0.0223	0.0747	0.7847
coff_l1_1	-0.0581	0.0359	2.6099	0.1062
coff_l1_1_ti	-0.0218	0.0250	0.7619	0.3827
coff_l1_2	-0.0507	0.0420	1.4540	0.2279
coff_l1_2_ti	0.0428	0.0321	1.7777	0.1824
coff_l1_3	-0.0424	0.0495	0.7322	0.3922
coff_l1_3_ti	0.0574	0.0393	2.1300	0.1444
coff_l1_4	-0.0314	0.0221	2.0205	0.1552
coff_l1_4_ti	0.0325	0.0178	3.3461	0.0674
whgrn_l1_1	-0.0138	0.0339	0.1665	0.6833
whgrn_l1_1_ti	-0.0236	0.0267	0.7809	0.3769
whgrn_l1_2	-0.0162	0.0324	0.2492	0.6177
whgrn_l1_2_ti	-0.00218	0.0257	0.0072	0.9324
whgrn_l1_3	0.0298	0.0322	0.8525	0.3558
whgrn_l1_3_ti	-0.0326	0.0257	1.6084	0.2047
whgrn_l1_4	0.00396	0.0326	0.0148	0.9031
whgrn_l1_4_ti	0.00281	0.0259	0.0117	0.9137
soda_l1_1	-0.1218	0.0441	7.6209	0.0058
soda_l1_1_ti	0.0326	0.0206	2.5070	0.1133
soda_l1_2	-0.0803	0.0328	5.9974	0.0143
soda_l1_2_ti	0.0184	0.0154	1.4233	0.2329
soda_l1_3	-0.0220	0.0309	0.5097	0.4753
soda_l1_3_ti	-0.00152	0.0148	0.0105	0.9186
soda_l1_4	-0.0214	0.0299	0.5115	0.4745
soda_l1_4_ti	-0.00496	0.0149	0.1108	0.7393
cal_l1_1	-0.1031	0.0365	7.9652	0.0048
cal_l1_1_ti	0.00880	0.0294	0.0896	0.7646
cal_l1_2	-0.0253	0.0327	0.5960	0.4401
cal_l1_2_ti	-0.0333	0.0264	1.5956	0.2065

cal_l1_3	0.00579	0.0310	0.0348	0.8520
cal_l1_3_ti	-0.0430	0.0250	2.9585	0.0854
cal_l1_4	-0.0218	0.0298	0.5343	0.4648
cal_l1_4_ti	-0.0256	0.0240	1.1402	0.2856
alc_l1_1	0.0138	0.0331	0.1731	0.6773
alc_l1_1_ti	-0.0176	0.0217	0.6577	0.4174
alc_l1_2	0.0489	0.0318	2.3625	0.1243
alc_l1_2_ti	-0.0112	0.0229	0.2389	0.6250
alc_l1_3	0.0219	0.0359	0.3744	0.5406
alc_l1_3_ti	-0.0254	0.0285	0.8000	0.3711
cig_l2_1	-0.1514	0.0933	2.6329	0.1047
cig_l1_1	-0.2315	0.0911	6.4589	0.0110
cig_l2_2	0.0120	0.1098	0.0119	0.9131
cig_l1_2	-0.1648	0.1094	2.2698	0.1319
cig_l2_3	-0.0949	0.0969	0.9594	0.3273
cig_l1_3	0.0282	0.0950	0.0879	0.7668
cig_l2_4	-0.0611	0.0824	0.5495	0.4585
cig_l1_4	0.0682	0.0827	0.6795	0.4098
mvi_l2	0.0379	0.0161	5.5397	0.0186
mvi_l1	-0.0185	0.0161	1.3324	0.2484
act_l1_1	0.0391	0.0279	1.9572	0.1618
act_l1_1_ti	-0.0108	0.0235	0.2093	0.6473
act_l1_2	0.0525	0.0313	2.8101	0.0937
act_l1_2_ti	-0.0498	0.0277	3.2427	0.0717
act_l1_3	0.0434	0.0505	0.7390	0.3900
act_l1_3_ti	0.0114	0.0526	0.0471	0.8281
act_l1_4	-0.0214	0.0351	0.3708	0.5426
act_l1_4_ti	0.00798	0.0286	0.0779	0.7802
act_l1_5	-0.00057	0.0545	0.0001	0.9916
act_l1_5_ti	0.00847	0.0585	0.0209	0.8849
can_l2	-0.1753	0.1049	2.7915	0.0948
can_l1	0.0748	0.0851	0.7729	0.3793

bmi_l2_1	0.0643	0.1491	0.1857	0.6665
bmi_l1_1	0.0485	0.1429	0.1152	0.7343
bmi_l2_2	0.0615	0.0815	0.5690	0.4506
bmi_l1_2	0.0476	0.0724	0.4327	0.5107
bmi_l2_3	0.1020	0.0759	1.8055	0.1790
bmi_l1_3	0.00775	0.0674	0.0132	0.9085
bmi_l2_4	0.0727	0.0703	1.0707	0.3008
bmi_l1_4	0.0134	0.0622	0.0465	0.8293
bmi_l2_5	0.0744	0.0614	1.4659	0.2260
bmi_l1_5	0.0240	0.0555	0.1876	0.6649
chl_l2	-0.0195	0.0362	0.2894	0.5906
chl_l1	0.0185	0.0319	0.3380	0.5610
hbp_l2	0.0272	0.0452	0.3619	0.5475
hbp_l1	-0.0194	0.0426	0.2068	0.6493
sta_l1	0.2044	0.0730	7.8391	0.0051
sta_l1_ti	0.0238	0.0598	0.1583	0.6907
asn_l2_1	-0.0222	0.0337	0.4361	0.5090
asn_l1_1	-0.0223	0.0325	0.4706	0.4927
asn_l2_2	0.00123	0.0319	0.0015	0.9692
asn_l1_2	-0.0191	0.0306	0.3913	0.5316
angcbg_l2	-0.0748	0.1445	0.2683	0.6045
angcbg_l1	0.0845	0.1179	0.5134	0.4737
str_l2	-0.0459	0.4801	0.0091	0.9239
str_l1	-0.0624	0.3691	0.0286	0.8656
mi_l2	0.5084	0.4477	1.2897	0.2561
mi_l1	-0.2973	0.3306	0.8089	0.3684

(D) Logistic model to estimate the probability of post-menopausal hormone use

Parameter	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-6.6952	0.2388	785.9652	<.0001
fhx	0.00824	0.0107	0.5901	0.4424
smkhx	0.00401	0.00997	0.1620	0.6873
ochx	0.1981	0.00911	472.4834	<.0001
employed_1	0.0241	0.0170	2.0216	0.1551
employed_2	0.1720	0.0264	42.5934	<.0001
employed_3	0.0181	0.0138	1.7071	0.1914
employed_4	0.0866	0.0176	24.2401	<.0001
employed_5	0.0422	0.0128	10.9486	0.0009
employed_6	0.0284	0.0188	2.2929	0.1300
employed_miss	-0.0945	0.0616	2.3524	0.1251
mar80	-0.00688	0.0163	0.1784	0.6728
college	0.0560	0.00960	33.9762	<.0001
stress82	0.0561	0.0102	30.3413	<.0001
stress82_miss	-0.0223	0.0571	0.1526	0.6960
hhighsch	0.1111	0.0120	85.5163	<.0001
hcollege	0.1436	0.0129	124.7468	<.0001
hgradsch	0.1900	0.0135	198.4047	<.0001
lbmi18_2	0.0168	0.0108	2.3993	0.1214
lbmi18_3	0.0250	0.0176	2.0197	0.1553
lbmi18_4	0.0165	0.0429	0.1477	0.7008
baseage	0.0677	0.00928	53.2472	<.0001
baseage_sq	-0.00091	0.000092	98.5570	<.0001
bmi80_1	0.3738	0.0609	37.6423	<.0001
bmi80_2	0.3043	0.0427	50.8925	<.0001
bmi80_3	0.2551	0.0409	38.8757	<.0001
bmi80_4	0.2114	0.0391	29.2093	<.0001
bmi80_5	0.1642	0.0379	18.7833	<.0001
act80_1	-0.0165	0.0124	1.7858	0.1814
act80_2	-0.00111	0.0144	0.0059	0.9386

act80_3	0.00165	0.0127	0.0168	0.8970
alc80_1	-0.0281	0.0145	3.7363	0.0532
alc80_2	-0.0289	0.0138	4.3562	0.0369
alc80_3	-0.0260	0.0154	2.8377	0.0921
rpmeats80_1	-0.0601	0.0246	5.9439	0.0148
rpmeats80_2	-0.0425	0.0154	7.5971	0.0058
rpmeats80_3	-0.0597	0.0131	20.7177	<.0001
rpmeats80_4	-0.0337	0.0118	8.2213	0.0041
coff80_1	0.0119	0.0125	0.9095	0.3402
coff80_2	0.0223	0.0177	1.5767	0.2092
coff80_3	-0.0363	0.0279	1.6945	0.1930
whgrn80_1	-0.0225	0.0126	3.1961	0.0738
whgrn80_2	0.00588	0.0134	0.1930	0.6604
soda80_1	-0.0686	0.0162	17.9933	<.0001
soda80_2	-0.0234	0.0141	2.7502	0.0972
soda80_3	0.0144	0.0139	1.0724	0.3004
soda80_4	0.00975	0.0133	0.5335	0.4651
cig80_1	0.0954	0.0367	6.7681	0.0093
cig80_2	0.1059	0.0451	5.5144	0.0189
cig80_3	0.0403	0.0399	1.0214	0.3122
cig80_4	0.00692	0.0354	0.0382	0.8451
period_2	1.5432	0.0500	950.7227	<.0001
period_3	1.8597	0.0428	1885.2599	<.0001
period_4	1.8284	0.0291	3934.6034	<.0001
period_5	2.0242	0.0494	1677.6270	<.0001
period_6	1.9097	0.0254	5663.1779	<.0001
period_7	2.0278	0.0435	2171.2335	<.0001
period_8	1.9125	0.0244	6167.0829	<.0001
period_9	1.3445	0.0437	946.7882	<.0001
period_10	0.5144	0.0234	485.1077	<.0001
period_11	-0.7200	0.0436	272.4539	<.0001
mnp_l2	-0.7250	0.0174	1738.8538	<.0001

mnp_l1	-0.9376	0.0199	2230.3604	<.0001
pmh_l2	1.3545	0.0119	12869.7563	<.0001
pmh_l1	3.2251	0.0110	86601.7517	<.0001
ost_l2	-0.0191	0.0290	0.4343	0.5099
ost_l1	0.0798	0.0261	9.3737	0.0022
rpmeats_l1_1	-0.00180	0.0215	0.0070	0.9332
rpmeats_l1_1_ti	-0.00510	0.0156	0.1064	0.7443
rpmeats_l1_2	-0.00120	0.0193	0.0039	0.9504
rpmeats_l1_2_ti	0.0119	0.0144	0.6826	0.4087
rpmeats_l1_3	0.00542	0.0187	0.0837	0.7724
rpmeats_l1_3_ti	0.00536	0.0141	0.1443	0.7041
rpmeats_l1_4	0.00425	0.0178	0.0572	0.8110
rpmeats_l1_4_ti	0.0121	0.0135	0.8033	0.3701
coff_l1_1	-0.0442	0.0210	4.4387	0.0351
coff_l1_1_ti	-0.00236	0.0142	0.0274	0.8684
coff_l1_2	-0.0615	0.0233	6.9616	0.0083
coff_l1_2_ti	0.00239	0.0170	0.0197	0.8883
coff_l1_3	-0.0774	0.0277	7.7943	0.0052
coff_l1_3_ti	0.0176	0.0206	0.7271	0.3938
coff_l1_4	-0.0774	0.0134	33.5148	<.0001
coff_l1_4_ti	0.0204	0.00997	4.1948	0.0405
whgrn_l1_1	-0.2019	0.0198	103.4680	<.0001
whgrn_l1_1_ti	0.0397	0.0146	7.3603	0.0067
whgrn_l1_2	-0.1030	0.0186	30.7470	<.0001
whgrn_l1_2_ti	0.0302	0.0138	4.8243	0.0281
whgrn_l1_3	-0.0467	0.0180	6.7272	0.0095
whgrn_l1_3_ti	0.00778	0.0134	0.3391	0.5604
whgrn_l1_4	0.00903	0.0176	0.2624	0.6085
whgrn_l1_4_ti	-0.00140	0.0131	0.0114	0.9148
soda_l1_1	-0.0839	0.0225	13.8909	0.0002
soda_l1_1_ti	-0.00602	0.0116	0.2683	0.6045
soda_l1_2	-0.0843	0.0186	20.6166	<.0001

soda_l1_2_ti	0.00138	0.00950	0.0211	0.8844
soda_l1_3	-0.0777	0.0184	17.9005	<.0001
soda_l1_3_ti	0.00690	0.00954	0.5235	0.4693
soda_l1_4	-0.0213	0.0183	1.3571	0.2440
soda_l1_4_ti	-0.00577	0.00969	0.3544	0.5517
cal_l1_1	0.1589	0.0213	55.7099	<.0001
cal_l1_1_ti	-0.0368	0.0159	5.3447	0.0208
cal_l1_2	0.1569	0.0193	66.0049	<.0001
cal_l1_2_ti	-0.0482	0.0144	11.1324	0.0008
cal_l1_3	0.1063	0.0184	33.4038	<.0001
cal_l1_3_ti	-0.0257	0.0138	3.4840	0.0620
cal_l1_4	0.0962	0.0177	29.4961	<.0001
cal_l1_4_ti	-0.0179	0.0133	1.8239	0.1769
alc_l1_1	-0.0713	0.0183	15.1275	0.0001
alc_l1_1_ti	0.0169	0.0116	2.1322	0.1442
alc_l1_2	-0.0430	0.0181	5.6619	0.0173
alc_l1_2_ti	0.0367	0.0125	8.6538	0.0033
alc_l1_3	-0.0444	0.0210	4.4779	0.0343
alc_l1_3_ti	0.0345	0.0155	4.9533	0.0260
cig_l2_1	-0.0500	0.0591	0.7162	0.3974
cig_l1_1	0.2713	0.0611	19.7368	<.0001
cig_l2_2	0.00120	0.0681	0.0003	0.9859
cig_l1_2	0.1923	0.0705	7.4303	0.0064
cig_l2_3	-0.0871	0.0604	2.0776	0.1495
cig_l1_3	0.1318	0.0627	4.4213	0.0355
cig_l2_4	-0.0958	0.0538	3.1730	0.0749
cig_l1_4	0.0884	0.0567	2.4266	0.1193
mvi_l2	0.0375	0.00940	15.8845	<.0001
mvi_l1	0.0695	0.00948	53.8109	<.0001
act_l1_1	-0.0366	0.0141	6.7517	0.0094
act_l1_1_ti	-0.0345	0.0151	5.2307	0.0222
act_l1_2	0.0194	0.0161	1.4458	0.2292

act_l1_2_ti	-0.0330	0.0177	3.4499	0.0633
act_l1_3	0.0537	0.0280	3.6700	0.0554
act_l1_3_ti	-0.0977	0.0358	7.4284	0.0064
act_l1_4	0.0582	0.0182	10.2844	0.0013
act_l1_4_ti	-0.0477	0.0183	6.7686	0.0093
act_l1_5	0.0593	0.0292	4.1124	0.0426
act_l1_5_ti	-0.0435	0.0388	1.2590	0.2618
can_l2	0.4540	0.0426	113.6308	<.0001
can_l1	-0.6892	0.0371	345.8876	<.0001
bmi_l2_1	0.0493	0.0747	0.4361	0.5090
bmi_l1_1	0.1515	0.0699	4.6967	0.0302
bmi_l2_2	0.0668	0.0453	2.1745	0.1403
bmi_l1_2	0.2402	0.0422	32.4063	<.0001
bmi_l2_3	0.0682	0.0423	2.6037	0.1066
bmi_l1_3	0.2018	0.0394	26.2249	<.0001
bmi_l2_4	0.0179	0.0393	0.2065	0.6495
bmi_l1_4	0.1514	0.0367	17.0424	<.0001
bmi_l2_5	-0.0208	0.0350	0.3527	0.5526
bmi_l1_5	0.0815	0.0329	6.1445	0.0132
chl_l2	-0.0345	0.0189	3.3358	0.0678
chl_l1	0.1189	0.0180	43.8229	<.0001
hbp_l2	0.00750	0.0223	0.1130	0.7368
hbp_l1	0.0110	0.0217	0.2553	0.6134
sta_l1	0.00198	0.0171	0.0133	0.9083
sta_l1_ti	0.0275	0.0220	1.5608	0.2116
asn_l2_1	-0.0553	0.0150	13.5235	0.0002
asn_l1_1	-0.0167	0.0145	1.3253	0.2496
asn_l2_2	-0.0388	0.0143	7.3354	0.0068
asn_l1_2	-0.0311	0.0140	4.9194	0.0266
angcbg_l2	0.0399	0.0556	0.5141	0.4734
angcbg_l1	0.00559	0.0500	0.0125	0.9111
str_l2	0.1852	0.1295	2.0471	0.1525

str_l1	-0.2474	0.1092	5.1299	0.0235
mi_l2	-0.0678	0.1316	0.2657	0.6063
mi_l1	-0.0974	0.1137	0.7336	0.3917
mnp	2.2669	0.0177	16400.3575	<.0001

(E) Logistic model to estimate the probability of osteoporosis

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-7.6320	0.4548	281.6447	<.0001
fhx	0.00256	0.0192	0.0176	0.8943
smkhx	0.0463	0.0181	6.5177	0.0107
ochx	-0.00756	0.0165	0.2100	0.6467
employed_1	0.0306	0.0301	1.0377	0.3084
employed_2	-0.1669	0.0520	10.3023	0.0013
employed_3	0.0140	0.0245	0.3271	0.5674
employed_4	0.00296	0.0324	0.0083	0.9274
employed_5	0.0170	0.0225	0.5703	0.4501
employed_6	-0.0117	0.0334	0.1221	0.7268
employed_miss	-0.1739	0.1043	2.7802	0.0954
mar80	-0.0123	0.0284	0.1877	0.6649
college	0.0149	0.0176	0.7159	0.3975
stress82	0.1312	0.0183	51.5256	<.0001
stress82_miss	0.2498	0.0955	6.8459	0.0089
hhighsch	0.0502	0.0216	5.3931	0.0202
hcollege	0.0304	0.0236	1.6579	0.1979
hgradsch	0.00672	0.0250	0.0722	0.7882
lbmi18_2	0.0359	0.0196	3.3475	0.0673
lbmi18_3	0.1374	0.0316	18.8762	<.0001
lbmi18_4	0.2312	0.0747	9.5957	0.0020
baseage	0.0928	0.0174	28.5416	<.0001
baseage_sq	-0.00042	0.000168	6.1813	0.0129
bmi80_1	0.1272	0.1027	1.5338	0.2155

bmi80_2	0.0545	0.0770	0.5014	0.4789
bmi80_3	-0.0565	0.0744	0.5770	0.4475
bmi80_4	-0.0980	0.0716	1.8754	0.1709
bmi80_5	-0.0620	0.0700	0.7855	0.3755
act80_1	0.0714	0.0216	10.9486	0.0009
act80_2	0.0116	0.0257	0.2032	0.6522
act80_3	-0.0337	0.0228	2.1835	0.1395
alc80_1	0.0498	0.0255	3.8141	0.0508
alc80_2	0.0572	0.0247	5.3810	0.0204
alc80_3	0.0464	0.0278	2.7753	0.0957
rpmeats80_1	-0.0267	0.0423	0.3980	0.5281
rpmeats80_2	-0.0207	0.0269	0.5887	0.4429
rpmeats80_3	0.0311	0.0232	1.8005	0.1797
rpmeats80_4	0.0274	0.0210	1.6945	0.1930
coff80_1	0.00237	0.0222	0.0114	0.9150
coff80_2	0.0286	0.0324	0.7812	0.3768
coff80_3	-0.0158	0.0510	0.0960	0.7566
whgrn80_1	0.0161	0.0222	0.5298	0.4667
whgrn80_2	0.00873	0.0236	0.1368	0.7115
soda80_1	-0.1116	0.0281	15.7853	<.0001
soda80_2	-0.0771	0.0253	9.2968	0.0023
soda80_3	-0.0551	0.0255	4.6792	0.0305
soda80_4	-0.0225	0.0247	0.8267	0.3632
cig80_1	-0.1495	0.0593	6.3624	0.0117
cig80_2	-0.0976	0.0762	1.6403	0.2003
cig80_3	-0.1684	0.0653	6.6586	0.0099
cig80_4	-0.0508	0.0574	0.7819	0.3766
period_2	-1.2700	0.0965	173.3375	<.0001
period_3	-1.5577	0.0776	402.9452	<.0001
period_4	-1.5541	0.0538	834.9662	<.0001
period_5	-1.3741	0.0976	198.3180	<.0001
period_6	-1.2918	0.0417	957.7024	<.0001

period_7	-0.8866	0.0780	129.1178	<.0001
period_8	-0.2920	0.0322	82.0854	<.0001
period_9	0.0661	0.0765	0.7476	0.3872
period_10	0.0128	0.0306	0.1769	0.6741
period_11	-0.0843	0.0769	1.2033	0.2727
mnp_l2	0.2673	0.0433	38.0928	<.0001
mnp_l1	0.1888	0.0620	9.2873	0.0023
pmh_l2	-0.1323	0.0241	30.0915	<.0001
pmh_l1	-0.4418	0.0280	249.5658	<.0001
rpmeats_l1_1	0.0403	0.0407	0.9798	0.3223
rpmeats_l1_1_ti	-0.0399	0.0284	1.9689	0.1606
rpmeats_l1_2	0.0600	0.0381	2.4803	0.1153
rpmeats_l1_2_ti	-0.00851	0.0270	0.0993	0.7527
rpmeats_l1_3	0.0375	0.0381	0.9709	0.3245
rpmeats_l1_3_ti	-0.00940	0.0272	0.1196	0.7294
rpmeats_l1_4	0.0209	0.0373	0.3127	0.5760
rpmeats_l1_4_ti	0.0152	0.0268	0.3212	0.5709
coff_l1_1	0.0182	0.0393	0.2149	0.6429
coff_l1_1_ti	-0.00105	0.0258	0.0017	0.9676
coff_l1_2	-0.0129	0.0429	0.0897	0.7646
coff_l1_2_ti	0.0335	0.0297	1.2729	0.2592
coff_l1_3	0.00359	0.0505	0.0051	0.9433
coff_l1_3_ti	0.00908	0.0358	0.0645	0.7996
coff_l1_4	-0.0464	0.0260	3.1994	0.0737
coff_l1_4_ti	0.0203	0.0184	1.2262	0.2682
whgrn_l1_1	-0.0256	0.0371	0.4755	0.4905
whgrn_l1_1_ti	-0.0229	0.0259	0.7788	0.3775
whgrn_l1_2	-0.00982	0.0349	0.0791	0.7786
whgrn_l1_2_ti	-0.0355	0.0246	2.0841	0.1488
whgrn_l1_3	0.0102	0.0337	0.0914	0.7624
whgrn_l1_3_ti	-0.0321	0.0237	1.8418	0.1747
whgrn_l1_4	0.0323	0.0325	0.9887	0.3200

whgrn_l1_4_ti	-0.0202	0.0228	0.7820	0.3765
soda_l1_1	-0.0385	0.0401	0.9242	0.3364
soda_l1_1_ti	0.000720	0.0232	0.0010	0.9753
soda_l1_2	-0.0380	0.0347	1.1987	0.2736
soda_l1_2_ti	0.00236	0.0201	0.0138	0.9066
soda_l1_3	-0.0222	0.0350	0.4016	0.5263
soda_l1_3_ti	-0.00031	0.0206	0.0002	0.9880
soda_l1_4	-0.0716	0.0359	3.9873	0.0458
soda_l1_4_ti	0.0125	0.0213	0.3439	0.5576
cal_l1_1	-0.1349	0.0397	11.5489	0.0007
cal_l1_1_ti	0.0671	0.0281	5.7154	0.0168
cal_l1_2	-0.0827	0.0365	5.1327	0.0235
cal_l1_2_ti	0.0297	0.0260	1.3050	0.2533
cal_l1_3	-0.0663	0.0350	3.5852	0.0583
cal_l1_3_ti	0.0319	0.0249	1.6476	0.1993
cal_l1_4	-0.0139	0.0338	0.1697	0.6803
cal_l1_4_ti	0.0236	0.0241	0.9659	0.3257
alc_l1_1	0.1376	0.0338	16.5740	<.0001
alc_l1_1_ti	-0.00672	0.0207	0.1060	0.7448
alc_l1_2	0.1221	0.0346	12.4895	0.0004
alc_l1_2_ti	-0.0460	0.0230	3.9915	0.0457
alc_l1_3	0.0109	0.0415	0.0691	0.7926
alc_l1_3_ti	-0.00412	0.0289	0.0203	0.8866
cig_l2_1	0.0257	0.1143	0.0506	0.8220
cig_l1_1	-0.1605	0.1171	1.8782	0.1705
cig_l2_2	0.00230	0.1299	0.0003	0.9859
cig_l1_2	-0.1377	0.1333	1.0680	0.3014
cig_l2_3	-0.0591	0.1152	0.2631	0.6080
cig_l1_3	-0.2185	0.1186	3.3925	0.0655
cig_l2_4	-0.0444	0.1040	0.1820	0.6697
cig_l1_4	-0.1914	0.1083	3.1264	0.0770
mvi_l2	0.0880	0.0185	22.7455	<.0001

mvi_l1	0.0815	0.0188	18.7867	<.0001
act_l1_1	0.2156	0.0254	72.0866	<.0001
act_l1_1_ti	-0.0834	0.0351	5.6367	0.0176
act_l1_2	0.1893	0.0291	42.2308	<.0001
act_l1_2_ti	-0.0760	0.0420	3.2760	0.0703
act_l1_3	0.1447	0.0527	7.5235	0.0061
act_l1_3_ti	-0.1903	0.1015	3.5141	0.0608
act_l1_4	0.1443	0.0329	19.2063	<.0001
act_l1_4_ti	-0.0598	0.0425	1.9804	0.1594
act_l1_5	0.1006	0.0546	3.3934	0.0655
act_l1_5_ti	-0.0305	0.1007	0.0918	0.7619
can_l2	-0.0841	0.0591	2.0225	0.1550
can_l1	0.0967	0.0531	3.3188	0.0685
bmi_l2_1	0.6312	0.1194	27.9319	<.0001
bmi_l1_1	0.5443	0.1120	23.6041	<.0001
bmi_l2_2	0.3995	0.0845	22.3477	<.0001
bmi_l1_2	0.4620	0.0806	32.8840	<.0001
bmi_l2_3	0.2645	0.0797	10.9983	0.0009
bmi_l1_3	0.3628	0.0762	22.6649	<.0001
bmi_l2_4	0.1722	0.0748	5.3008	0.0213
bmi_l1_4	0.2680	0.0716	14.0224	0.0002
bmi_l2_5	0.0582	0.0668	0.7586	0.3838
bmi_l1_5	0.1087	0.0646	2.8325	0.0924
chl_l2	0.0264	0.0353	0.5598	0.4543
chl_l1	0.1534	0.0351	19.1234	<.0001
hbp_l2	-0.0802	0.0375	4.5698	0.0325
hbp_l1	0.0553	0.0369	2.2558	0.1331
sta_l1	0.00430	0.0240	0.0320	0.8581
sta_l1_ti	-0.0220	0.0471	0.2185	0.6402
asn_l2_1	-0.0776	0.0243	10.2331	0.0014
asn_l1_1	0.0150	0.0237	0.4005	0.5268
asn_l2_2	-0.1222	0.0236	26.7176	<.0001

asn_l1_2	-0.0527	0.0235	5.0289	0.0249
angcbg_l2	-0.1733	0.0880	3.8810	0.0488
angcbg_l1	0.1910	0.0806	5.6202	0.0178
str_l2	0.0479	0.1702	0.0793	0.7783
str_l1	-0.00280	0.1465	0.0004	0.9847
mi_l2	-0.1362	0.1860	0.5361	0.4641
mi_l1	-0.0180	0.1630	0.0122	0.9120
mnp	0.4161	0.0618	45.3946	<.0001
pmh	0.3012	0.0244	152.7431	<.0001

(F) Logistic model to estimate the probability of eating red meat

Parameter	**Log odds ratio**	**Standard error**	**Wald chi-square**	**P value**
Intercept	9.2780	0.5806	255.3988	<.0001
fhx	-0.0231	0.0247	0.8734	0.3500
smkhx	-0.0273	0.0222	1.5069	0.2196
ochx	-0.00215	0.0211	0.0104	0.9188
employed_1	-0.1539	0.0370	17.2563	<.0001
employed_2	-0.1593	0.0648	6.0491	0.0139
employed_3	-0.0537	0.0328	2.6769	0.1018
employed_4	-0.0964	0.0407	5.6156	0.0178
employed_5	-0.0927	0.0291	10.1443	0.0014
employed_6	-0.1156	0.0397	8.4720	0.0036
employed_miss	0.1780	0.1305	1.8615	0.1725
mar80	0.1114	0.0316	12.3863	0.0004
college	-0.2111	0.0211	100.1699	<.0001
stress82	-0.0187	0.0228	0.6717	0.4125
stress82_miss	-0.2090	0.1200	3.0336	0.0816
hhighsch	0.2370	0.0277	73.3196	<.0001
hcollege	0.1999	0.0291	47.1569	<.0001
hgradsch	0.0474	0.0286	2.7413	0.0978

lbmi18_2	-0.1147	0.0243	22.2412	<.0001
lbmi18_3	-0.1068	0.0397	7.2449	0.0071
lbmi18_4	-0.1321	0.0895	2.1803	0.1398
baseage	-0.1497	0.0218	47.1842	<.0001
baseage_sq	0.00139	0.000212	43.0329	<.0001
bmi80_1	0.4279	0.1333	10.2994	0.0013
bmi80_2	0.2804	0.1014	7.6422	0.0057
bmi80_3	0.2599	0.0984	6.9810	0.0082
bmi80_4	0.0865	0.0951	0.8266	0.3633
bmi80_5	-0.0891	0.0939	0.9014	0.3424
act80_1	0.0399	0.0276	2.0926	0.1480
act80_2	0.0303	0.0330	0.8430	0.3585
act80_3	0.0708	0.0284	6.2237	0.0126
alc80_1	-0.0724	0.0327	4.9060	0.0268
alc80_2	0.0669	0.0329	4.1291	0.0422
alc80_3	0.1413	0.0388	13.2587	0.0003
rpmeats80_1	-1.5667	0.0301	2711.2438	<.0001
rpmeats80_2	-0.4877	0.0283	297.4277	<.0001
rpmeats80_3	-0.1967	0.0312	39.8907	<.0001
rpmeats80_4	-0.2000	0.0289	47.8496	<.0001
coff80_1	-0.0128	0.0263	0.2359	0.6272
coff80_2	0.0265	0.0407	0.4253	0.5143
coff80_3	-0.0874	0.0607	2.0747	0.1498
whgrn80_1	0.1140	0.0266	18.3795	<.0001
whgrn80_2	0.0643	0.0274	5.5297	0.0187
soda80_1	-0.0890	0.0354	6.3272	0.0119
soda80_2	-0.00781	0.0338	0.0533	0.8175
soda80_3	0.0442	0.0354	1.5548	0.2124
soda80_4	0.0364	0.0344	1.1171	0.2905
cig80_1	0.1999	0.0943	4.4935	0.0340
cig80_2	0.1048	0.1132	0.8583	0.3542
cig80_3	0.2702	0.1028	6.9072	0.0086

cig80_4	0.0812	0.0939	0.7472	0.3873
period_2	0.8110	0.2201	13.5816	0.0002
period_4	0.2991	0.0657	20.6950	<.0001
period_6	0.0965	0.0390	6.1334	0.0133
period_8	-0.3995	0.0333	143.8183	<.0001
period_10	-0.0917	0.0309	8.8306	0.0030
mnp_l2	0.0902	0.0503	3.2079	0.0733
mnp_l1	0.0633	0.0687	0.8513	0.3562
pmh_l2	0.0928	0.0300	9.5554	0.0020
pmh_l1	0.0342	0.0352	0.9463	0.3307
ost_l2	0.0124	0.0546	0.0516	0.8203
ost_l1	0.0185	0.0673	0.0752	0.7839
rpmeats_l1_1	-3.4175	0.1551	485.4001	<.0001
rpmeats_l1_1_ti	0.0169	0.0861	0.0384	0.8446
rpmeats_l1_2	-1.3087	0.1719	57.9570	<.0001
rpmeats_l1_2_ti	-0.0625	0.0945	0.4375	0.5083
rpmeats_l1_3	-0.4984	0.2032	6.0126	0.0142
rpmeats_l1_3_ti	-0.0990	0.1103	0.8057	0.3694
rpmeats_l1_4	-0.1369	0.2048	0.4472	0.5037
rpmeats_l1_4_ti	-0.1199	0.1121	1.1442	0.2848
coff_l1_1	-0.6036	0.0985	37.5836	<.0001
coff_l1_1_ti	0.1383	0.0508	7.4265	0.0064
coff_l1_2	-0.2955	0.1269	5.4275	0.0198
coff_l1_2_ti	0.0463	0.0658	0.4961	0.4812
coff_l1_3	0.0162	0.1681	0.0093	0.9231
coff_l1_3_ti	-0.0651	0.0872	0.5584	0.4549
coff_l1_4	-0.0853	0.0849	1.0107	0.3147
coff_l1_4_ti	0.00685	0.0444	0.0237	0.8775
whgrn_l1_1	0.6252	0.1057	34.9781	<.0001
whgrn_l1_1_ti	-0.0649	0.0555	1.3687	0.2420
whgrn_l1_2	0.6005	0.1062	31.9604	<.0001
whgrn_l1_2_ti	-0.0758	0.0555	1.8660	0.1719

whgrn_l1_3	0.4661	0.1077	18.7202	<.0001
whgrn_l1_3_ti	-0.0225	0.0560	0.1610	0.6882
whgrn_l1_4	0.4071	0.1016	16.0656	<.0001
whgrn_l1_4_ti	-0.0867	0.0527	2.7093	0.0998
soda_l1_1	-0.3233	0.0801	16.2969	<.0001
soda_l1_1_ti	-0.00747	0.0343	0.0476	0.8274
soda_l1_2	-0.0786	0.0783	1.0084	0.3153
soda_l1_2_ti	0.00600	0.0337	0.0316	0.8588
soda_l1_3	0.00354	0.0841	0.0018	0.9664
soda_l1_3_ti	0.0108	0.0365	0.0881	0.7666
soda_l1_4	0.0752	0.0871	0.7458	0.3878
soda_l1_4_ti	-0.0396	0.0377	1.1071	0.2927
cal_l1_1	-0.1022	0.1305	0.6133	0.4335
cal_l1_1_ti	-0.00354	0.0679	0.0027	0.9584
cal_l1_2	-0.1039	0.1313	0.6259	0.4288
cal_l1_2_ti	0.0702	0.0683	1.0574	0.3038
cal_l1_3	0.1024	0.1372	0.5567	0.4556
cal_l1_3_ti	0.0225	0.0713	0.0998	0.7521
cal_l1_4	0.0383	0.1416	0.0732	0.7867
cal_l1_4_ti	0.0144	0.0735	0.0383	0.8449
alc_l1_1	-0.4707	0.0997	22.2772	<.0001
alc_l1_1_ti	0.0309	0.0507	0.3723	0.5417
alc_l1_2	-0.1733	0.1098	2.4923	0.1144
alc_l1_2_ti	-0.0154	0.0567	0.0741	0.7854
alc_l1_3	-0.0585	0.1408	0.1728	0.6776
alc_l1_3_ti	-0.0265	0.0732	0.1309	0.7175
cig_l2_1	0.1538	0.1852	0.6895	0.4064
cig_l1_1	-0.3274	0.2044	2.5649	0.1093
cig_l2_2	0.2366	0.2072	1.3041	0.2535
cig_l1_2	-0.2540	0.2246	1.2792	0.2581
cig_l2_3	0.1587	0.1892	0.7032	0.4017
cig_l1_3	0.0297	0.2093	0.0202	0.8871

cig_l2_4	0.2687	0.1740	2.3839	0.1226
cig_l1_4	-0.0195	0.1954	0.0100	0.9205
mvi_l2	-0.0340	0.0230	2.1894	0.1390
mvi_l1	-0.0291	0.0236	1.5225	0.2172
act_l1_1	0.2529	0.0281	80.9788	<.0001
act_l1_1_ti	-0.0528	0.0469	1.2687	0.2600
act_l1_2	0.1813	0.0329	30.4248	<.0001
act_l1_2_ti	-0.0534	0.0579	0.8481	0.3571
act_l1_3	0.1602	0.0616	6.7715	0.0093
act_l1_3_ti	-0.3637	0.1935	3.5323	0.0602
act_l1_4	0.0743	0.0359	4.2682	0.0388
act_l1_4_ti	-0.0367	0.0501	0.5386	0.4630
act_l1_5	0.1426	0.0604	5.5680	0.0183
act_l1_5_ti	0.4604	0.5849	0.6196	0.4312
can_l2	0.1113	0.0807	1.9001	0.1681
can_l1	-0.0246	0.0729	0.1142	0.7355
bmi_l2_1	0.0686	0.1513	0.2053	0.6505
bmi_l1_1	-1.2888	0.1392	85.7789	<.0001
bmi_l2_2	0.0379	0.1099	0.1190	0.7301
bmi_l1_2	-0.9363	0.1056	78.5603	<.0001
bmi_l2_3	0.0606	0.1043	0.3380	0.5610
bmi_l1_3	-0.7011	0.1007	48.4765	<.0001
bmi_l2_4	0.0982	0.0982	0.9986	0.3177
bmi_l1_4	-0.4503	0.0954	22.2893	<.0001
bmi_l2_5	0.1346	0.0889	2.2915	0.1301
bmi_l1_5	-0.2675	0.0874	9.3588	0.0022
chl_l2	0.1447	0.0453	10.2049	0.0014
chl_l1	-0.1791	0.0445	16.1593	<.0001
hbp_l2	-0.00344	0.0511	0.0045	0.9463
hbp_l1	0.0151	0.0501	0.0902	0.7639
sta_l1	-0.0658	0.0314	4.4004	0.0359
sta_l1_ti	0.0586	0.0383	2.3367	0.1264

asn_l2_1	-0.0214	0.0302	0.5016	0.4788
asn_l1_1	-0.0176	0.0306	0.3291	0.5662
asn_l2_2	0.0962	0.0310	9.6424	0.0019
asn_l1_2	0.0375	0.0305	1.5179	0.2179
angcbg_l2	0.3900	0.1167	11.1724	0.0008
angcbg_l1	-0.4278	0.1089	15.4325	<.0001
str_l2	-0.1143	0.2366	0.2332	0.6291
str_l1	0.2129	0.2069	1.0586	0.3035
mi_l2	0.0328	0.2369	0.0192	0.8897
mi_l1	-0.1632	0.2159	0.5711	0.4498
mnp	0.1105	0.0606	3.3263	0.0682
pmh	0.0712	0.0313	5.1916	0.0227
ost	-0.0425	0.0484	0.7705	0.3800

(G) Log-linear model to estimate the amount of red meat intake among women who eat red meat

Variable	Parameter estimate	Standard error	t value	P value
Intercept	0.98322	0.05741	17.13	<.0001
fhx	-0.00502	0.00264	-1.90	0.0570
smkhx	-0.02107	0.00248	-8.51	<.0001
ochx	0.00600	0.00226	2.65	0.0080
employed_1	-0.00815	0.00419	-1.94	0.0518
employed_2	-0.00812	0.00663	-1.22	0.2208
employed_3	-0.00208	0.00336	-0.62	0.5353
employed_4	-0.01526	0.00439	-3.47	0.0005
employed_5	-0.01502	0.00312	-4.82	<.0001
employed_6	-0.01765	0.00464	-3.80	0.0001
employed_miss	0.03287	0.01490	2.21	0.0274
mar80	0.04101	0.00399	10.27	<.0001
college	-0.02695	0.00241	-11.20	<.0001

stress82	0.00438	0.00250	1.75	0.0796
stress82_miss	-0.00419	0.01382	-0.30	0.7617
hhighsch	0.02708	0.00289	9.36	<.0001
hcollege	0.00512	0.00315	1.63	0.1036
hgradsch	-0.02018	0.00335	-6.03	<.0001
lbmi18_2	-0.02424	0.00265	-9.15	<.0001
lbmi18_3	-0.02959	0.00424	-6.99	<.0001
lbmi18_4	-0.05265	0.01002	-5.25	<.0001
baseage	-0.01989	0.00224	-8.89	<.0001
baseage_sq	0.00012731	0.00002211	5.76	<.0001
bmi80_1	-0.01577	0.01516	-1.04	0.2982
bmi80_2	0.00363	0.01002	0.36	0.7170
bmi80_3	-0.00464	0.00952	-0.49	0.6263
bmi80_4	-0.00407	0.00903	-0.45	0.6517
bmi80_5	-0.01479	0.00868	-1.70	0.0884
act80_1	-0.00783	0.00328	-2.38	0.0171
act80_2	0.00086190	0.00387	0.22	0.8237
act80_3	0.00096106	0.00341	0.28	0.7780
alc80_1	-0.02379	0.00367	-6.48	<.0001
alc80_2	-0.01630	0.00348	-4.68	<.0001
alc80_3	-0.00992	0.00384	-2.58	0.0098
rpmeats80_1	-0.36279	0.00697	-52.02	<.0001
rpmeats80_2	-0.22054	0.00384	-57.40	<.0001
rpmeats80_3	-0.12497	0.00321	-38.98	<.0001
rpmeats80_4	-0.09591	0.00288	-33.29	<.0001
coff80_1	-0.02109	0.00312	-6.76	<.0001
coff80_2	-0.01236	0.00441	-2.80	0.0051
coff80_3	-0.01698	0.00686	-2.48	0.0132
whgrn80_1	0.01149	0.00313	3.67	0.0002
whgrn80_2	-0.00871	0.00333	-2.61	0.0090
soda80_1	-0.02861	0.00400	-7.15	<.0001
soda80_2	-0.01343	0.00350	-3.84	0.0001

soda80_3	-0.00558	0.00344	-1.62	0.1044
soda80_4	-0.01131	0.00329	-3.44	0.0006
cig80_1	-0.04197	0.00909	-4.62	<.0001
cig80_2	-0.02916	0.01134	-2.57	0.0101
cig80_3	-0.03559	0.00989	-3.60	0.0003
cig80_4	-0.02705	0.00875	-3.09	0.0020
period_2	0.22962	0.01275	18.02	<.0001
period_4	0.12522	0.00577	21.72	<.0001
period_6	0.08939	0.00460	19.45	<.0001
period_8	-0.06810	0.00429	-15.89	<.0001
period_10	0.02216	0.00405	5.47	<.0001
mnp_l2	0.02042	0.00480	4.25	<.0001
mnp_l1	0.01572	0.00629	2.50	0.0125
pmh_l2	0.01010	0.00344	2.94	0.0033
pmh_l1	0.01262	0.00393	3.21	0.0013
ost_l2	0.00821	0.00709	1.16	0.2466
ost_l1	0.00720	0.00859	0.84	0.4021
rpmeats_l1_1	-1.18334	0.01045	-113.28	<.0001
rpmeats_l1_1_ti	0.01250	0.00561	2.23	0.0257
rpmeats_l1_2	-0.69067	0.00762	-90.67	<.0001
rpmeats_l1_2_ti	0.00007331	0.00426	0.02	0.9863
rpmeats_l1_3	-0.43530	0.00714	-60.94	<.0001
rpmeats_l1_3_ti	-0.00056242	0.00404	-0.14	0.8893
rpmeats_l1_4	-0.26761	0.00612	-43.70	<.0001
rpmeats_l1_4_ti	0.00427	0.00357	1.19	0.2323
coff_l1_1	0.00933	0.00794	1.18	0.2399
coff_l1_1_ti	-0.00760	0.00424	-1.80	0.0726
coff_l1_2	-0.01140	0.01014	-1.12	0.2610
coff_l1_2_ti	-0.01056	0.00552	-1.91	0.0556
coff_l1_3	0.00054295	0.01173	0.05	0.9631
coff_l1_3_ti	-0.00594	0.00648	-0.92	0.3586
coff_l1_4	-0.00297	0.00519	-0.57	0.5675

coff_l1_4_ti	-0.00310	0.00292	-1.06	0.2897
whgrn_l1_1	0.10364	0.00798	12.98	<.0001
whgrn_l1_1_ti	-0.01391	0.00442	-3.15	0.0016
whgrn_l1_2	0.08282	0.00801	10.34	<.0001
whgrn_l1_2_ti	-0.01232	0.00441	-2.79	0.0052
whgrn_l1_3	0.05512	0.00837	6.58	<.0001
whgrn_l1_3_ti	-0.00530	0.00456	-1.16	0.2454
whgrn_l1_4	0.03745	0.00859	4.36	<.0001
whgrn_l1_4_ti	-0.00442	0.00466	-0.95	0.3428
soda_l1_1	-0.03997	0.00738	-5.42	<.0001
soda_l1_1_ti	-0.00104	0.00306	-0.34	0.7341
soda_l1_2	-0.00143	0.00592	-0.24	0.8095
soda_l1_2_ti	-0.00688	0.00244	-2.82	0.0048
soda_l1_3	0.00592	0.00578	1.02	0.3058
soda_l1_3_ti	-0.00434	0.00241	-1.80	0.0723
soda_l1_4	0.00212	0.00583	0.36	0.7161
soda_l1_4_ti	-0.00414	0.00247	-1.68	0.0937
cal_l1_1	-0.21148	0.00852	-24.83	<.0001
cal_l1_1_ti	0.02045	0.00477	4.29	<.0001
cal_l1_2	-0.16418	0.00778	-21.10	<.0001
cal_l1_2_ti	0.01776	0.00435	4.08	<.0001
cal_l1_3	-0.14440	0.00747	-19.33	<.0001
cal_l1_3_ti	0.02803	0.00418	6.71	<.0001
cal_l1_4	-0.09121	0.00724	-12.60	<.0001
cal_l1_4_ti	0.01341	0.00405	3.31	0.0009
alc_l1_1	0.01580	0.00673	2.35	0.0189
alc_l1_1_ti	-0.03035	0.00343	-8.84	<.0001
alc_l1_2	0.00642	0.00675	0.95	0.3420
alc_l1_2_ti	-0.01760	0.00362	-4.86	<.0001
alc_l1_3	0.00205	0.00816	0.25	0.8016
alc_l1_3_ti	-0.01417	0.00455	-3.12	0.0018
cig_l2_1	-0.01903	0.01419	-1.34	0.1800

cig_l1_1	-0.06726	0.01398	-4.81	<.0001
cig_l2_2	-0.00888	0.01654	-0.54	0.5916
cig_l1_2	-0.05094	0.01628	-3.13	0.0017
cig_l2_3	-0.01171	0.01452	-0.81	0.4200
cig_l1_3	-0.03867	0.01429	-2.71	0.0068
cig_l2_4	0.00029886	0.01283	0.02	0.9814
cig_l1_4	-0.01132	0.01281	-0.88	0.3771
mvi_l2	-0.00655	0.00233	-2.81	0.0050
mvi_l1	-0.01938	0.00238	-8.13	<.0001
act_l1_1	0.06566	0.00356	18.44	<.0001
act_l1_1_ti	-0.02246	0.00383	-5.86	<.0001
act_l1_2	0.04519	0.00408	11.07	<.0001
act_l1_2_ti	-0.01315	0.00467	-2.82	0.0048
act_l1_3	0.02586	0.00715	3.62	0.0003
act_l1_3_ti	0.01445	0.01569	0.92	0.3572
act_l1_4	0.02457	0.00464	5.29	<.0001
act_l1_4_ti	-0.00968	0.00435	-2.22	0.0262
act_l1_5	0.00808	0.00751	1.08	0.2821
act_l1_5_ti	-0.03490	0.02625	-1.33	0.1838
can_l2	0.00743	0.00995	0.75	0.4552
can_l1	-0.00084429	0.00888	-0.10	0.9242
bmi_l2_1	0.00713	0.01848	0.39	0.6997
bmi_l1_1	-0.14949	0.01667	-8.97	<.0001
bmi_l2_2	-0.01016	0.01107	-0.92	0.3587
bmi_l1_2	-0.15531	0.01012	-15.34	<.0001
bmi_l2_3	-0.00301	0.01024	-0.29	0.7689
bmi_l1_3	-0.12620	0.00941	-13.42	<.0001
bmi_l2_4	0.00442	0.00945	0.47	0.6403
bmi_l1_4	-0.08629	0.00871	-9.90	<.0001
bmi_l2_5	-0.00880	0.00833	-1.06	0.2908
bmi_l1_5	-0.03621	0.00778	-4.66	<.0001
chl_l2	0.03081	0.00483	6.38	<.0001

chl_l1	-0.05814	0.00460	-12.65	<.0001
hbp_l2	0.02163	0.00552	3.92	<.0001
hbp_l1	-0.01344	0.00537	-2.50	0.0124
sta_l1	-0.02122	0.00413	-5.13	<.0001
sta_l1_ti	0.00519	0.00463	1.12	0.2622
asn_l2_1	-0.00698	0.00345	-2.03	0.0428
asn_l1_1	-0.00050892	0.00353	-0.14	0.8852
asn_l2_2	0.00391	0.00340	1.15	0.2494
asn_l1_2	0.01111	0.00338	3.29	0.0010
angcbg_l2	0.05298	0.01561	3.39	0.0007
angcbg_l1	-0.05501	0.01449	-3.80	0.0001
str_l2	0.03028	0.02998	1.01	0.3125
str_l1	-0.04085	0.02556	-1.60	0.1101
mi_l2	0.15061	0.03303	4.56	<.0001
mi_l1	-0.16053	0.02926	-5.49	<.0001
mnp	0.00155	0.00529	0.29	0.7689
pmh	-0.00184	0.00340	-0.54	0.5884
ost	-0.01341	0.00606	-2.21	0.0269

(H) Logistic model to estimate the probability of coffee intake

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	4.0896	0.4556	80.5562	<.0001
fhx	0.0176	0.0212	0.6911	0.4058
smkhx	0.1109	0.0197	31.5631	<.0001
ochx	-0.0212	0.0182	1.3484	0.2456
employed_1	-0.0281	0.0335	0.7023	0.4020
employed_2	-0.1088	0.0543	4.0165	0.0451
employed_3	-0.0221	0.0266	0.6923	0.4054
employed_4	-0.00992	0.0357	0.0772	0.7811
employed_5	-0.0386	0.0244	2.5139	0.1128
employed_6	-0.0186	0.0361	0.2659	0.6061

employed_miss	0.0441	0.1188	0.1376	0.7107
mar80	0.0272	0.0327	0.6901	0.4061
college	0.00895	0.0192	0.2166	0.6417
stress82	0.0229	0.0198	1.3414	0.2468
stress82_miss	-0.0393	0.1098	0.1280	0.7205
hhighsch	-0.0581	0.0232	6.2709	0.0123
hcollege	0.00186	0.0254	0.0054	0.9414
hgradsch	-0.0206	0.0265	0.6010	0.4382
lbmi18_2	0.0142	0.0217	0.4274	0.5133
lbmi18_3	0.0165	0.0352	0.2203	0.6388
lbmi18_4	0.0184	0.0813	0.0513	0.8208
baseage	0.0146	0.0176	0.6873	0.4071
baseage_sq	-0.00015	0.000174	0.7819	0.3766
bmi80_1	0.1394	0.1145	1.4841	0.2231
bmi80_2	0.00678	0.0741	0.0084	0.9270
bmi80_3	-0.00129	0.0699	0.0003	0.9853
bmi80_4	-0.0248	0.0656	0.1425	0.7058
bmi80_5	-0.0503	0.0625	0.6477	0.4209
act80_1	0.0447	0.0258	2.9885	0.0839
act80_2	0.0360	0.0305	1.3894	0.2385
act80_3	0.0168	0.0269	0.3905	0.5320
alc80_1	-0.0476	0.0310	2.3604	0.1244
alc80_2	0.0497	0.0307	2.6238	0.1053
alc80_3	0.1210	0.0356	11.5320	0.0007
rpmeats80_1	0.0896	0.0434	4.2646	0.0389
rpmeats80_2	0.0407	0.0296	1.8933	0.1688
rpmeats80_3	0.0610	0.0264	5.3306	0.0210
rpmeats80_4	0.0352	0.0234	2.2594	0.1328
coff80_1	-1.3069	0.0195	4477.6646	<.0001
coff80_2	-0.2497	0.0336	55.1539	<.0001
coff80_3	-0.1977	0.0573	11.9202	0.0006
whgrn80_1	-0.0548	0.0247	4.9358	0.0263

whgrn80_2	0.0181	0.0263	0.4735	0.4914
soda80_1	0.1275	0.0315	16.4026	<.0001
soda80_2	0.1674	0.0274	37.3641	<.0001
soda80_3	0.1753	0.0271	41.9647	<.0001
soda80_4	0.1198	0.0255	22.0316	<.0001
cig80_1	0.2927	0.0801	13.3539	0.0003
cig80_2	0.2618	0.1009	6.7394	0.0094
cig80_3	0.3226	0.0888	13.1906	0.0003
cig80_4	0.2700	0.0788	11.7454	0.0006
period_2	0.1289	0.1351	0.9104	0.3400
period_4	-0.2827	0.0452	39.2052	<.0001
period_6	0.0231	0.0360	0.4109	0.5215
period_8	-0.1070	0.0329	10.5882	0.0011
period_10	-0.1495	0.0305	24.0927	<.0001
mnp_l2	-0.0560	0.0396	2.0041	0.1569
mnp_l1	0.00869	0.0521	0.0279	0.8674
pmh_l2	-0.00280	0.0272	0.0106	0.9181
pmh_l1	-0.0200	0.0313	0.4076	0.5232
ost_l2	0.0276	0.0542	0.2600	0.6102
ost_l1	-0.00957	0.0663	0.0208	0.8852
rpmeats_l1_1	0.0194	0.0805	0.0583	0.8092
rpmeats_l1_1_ti	0.00987	0.0420	0.0552	0.8142
rpmeats_l1_2	-0.00571	0.0655	0.0076	0.9306
rpmeats_l1_2_ti	0.0159	0.0357	0.1987	0.6557
rpmeats_l1_3	0.00421	0.0626	0.0045	0.9463
rpmeats_l1_3_ti	0.00484	0.0346	0.0195	0.8889
rpmeats_l1_4	-0.0401	0.0538	0.5543	0.4565
rpmeats_l1_4_ti	-0.00101	0.0308	0.0011	0.9738
coff_l1_1	-4.7710	0.0841	3220.0830	<.0001
coff_l1_1_ti	-0.3641	0.0461	62.4311	<.0001
coff_l1_2	-2.2025	0.0954	533.2878	<.0001
coff_l1_2_ti	-0.2079	0.0515	16.2736	<.0001

coff_l1_3	-0.7482	0.1546	23.4177	<.0001
coff_l1_3_ti	-0.2825	0.0819	11.9120	0.0006
coff_l1_4	-0.6500	0.0941	47.6713	<.0001
coff_l1_4_ti	-0.1457	0.0512	8.1096	0.0044
whgrn_l1_1	-0.1932	0.0667	8.3760	0.0038
whgrn_l1_1_ti	0.1018	0.0365	7.7990	0.0052
whgrn_l1_2	-0.0610	0.0674	0.8190	0.3655
whgrn_l1_2_ti	0.0509	0.0367	1.9267	0.1651
whgrn_l1_3	-0.0775	0.0718	1.1650	0.2804
whgrn_l1_3_ti	0.0623	0.0386	2.6101	0.1062
whgrn_l1_4	0.0950	0.0717	1.7534	0.1855
whgrn_l1_4_ti	-0.0212	0.0385	0.3029	0.5821
soda_l1_1	0.1769	0.0598	8.7340	0.0031
soda_l1_1_ti	-0.0587	0.0250	5.5168	0.0188
soda_l1_2	0.1450	0.0486	8.8928	0.0029
soda_l1_2_ti	-0.00513	0.0202	0.0645	0.7995
soda_l1_3	0.2812	0.0481	34.1163	<.0001
soda_l1_3_ti	-0.0467	0.0201	5.3973	0.0202
soda_l1_4	0.1476	0.0473	9.7341	0.0018
soda_l1_4_ti	-0.0184	0.0201	0.8373	0.3602
cal_l1_1	0.0974	0.0702	1.9253	0.1653
cal_l1_1_ti	-0.0196	0.0388	0.2549	0.6136
cal_l1_2	-0.0240	0.0655	0.1341	0.7142
cal_l1_2_ti	0.0248	0.0363	0.4675	0.4941
cal_l1_3	0.1122	0.0635	3.1219	0.0772
cal_l1_3_ti	-0.0542	0.0351	2.3810	0.1228
cal_l1_4	0.1282	0.0628	4.1728	0.0411
cal_l1_4_ti	-0.0521	0.0347	2.2547	0.1332
alc_l1_1	-0.1897	0.0618	9.4212	0.0021
alc_l1_1_ti	-0.0537	0.0315	2.9011	0.0885
alc_l1_2	-0.00494	0.0658	0.0056	0.9402
alc_l1_2_ti	-0.0370	0.0350	1.1163	0.2907

alc_l1_3	0.0727	0.0845	0.7391	0.3900
alc_l1_3_ti	-0.0204	0.0463	0.1938	0.6598
cig_l2_1	-0.2030	0.1369	2.1998	0.1380
cig_l1_1	0.1060	0.1368	0.6006	0.4383
cig_l2_2	-0.1785	0.1600	1.2453	0.2644
cig_l1_2	0.2072	0.1602	1.6730	0.1959
cig_l2_3	-0.1944	0.1419	1.8772	0.1706
cig_l1_3	0.3147	0.1416	4.9420	0.0262
cig_l2_4	-0.1848	0.1251	2.1810	0.1397
cig_l1_4	0.2172	0.1266	2.9449	0.0861
mvi_l2	0.0109	0.0189	0.3328	0.5640
mvi_l1	0.0483	0.0193	6.2572	0.0124
act_l1_1	-0.00878	0.0281	0.0978	0.7545
act_l1_1_ti	-0.00517	0.0315	0.0269	0.8696
act_l1_2	0.00310	0.0324	0.0092	0.9237
act_l1_2_ti	0.0273	0.0385	0.5043	0.4776
act_l1_3	0.0449	0.0579	0.6014	0.4380
act_l1_3_ti	0.0831	0.1374	0.3661	0.5452
act_l1_4	0.0326	0.0370	0.7741	0.3789
act_l1_4_ti	0.0131	0.0357	0.1339	0.7145
act_l1_5	-0.0754	0.0603	1.5663	0.2108
act_l1_5_ti	0.1925	0.2232	0.7436	0.3885
can_l2	0.0959	0.0767	1.5618	0.2114
can_l1	-0.0864	0.0689	1.5743	0.2096
bmi_l2_1	0.0927	0.1387	0.4467	0.5039
bmi_l1_1	-0.2680	0.1243	4.6459	0.0311
bmi_l2_2	0.0497	0.0843	0.3472	0.5557
bmi_l1_2	-0.0445	0.0777	0.3273	0.5672
bmi_l2_3	0.0190	0.0775	0.0603	0.8060
bmi_l1_3	0.00856	0.0718	0.0142	0.9052
bmi_l2_4	0.0120	0.0708	0.0285	0.8659
bmi_l1_4	0.0366	0.0659	0.3094	0.5781

bmi_l2_5	0.0133	0.0616	0.0464	0.8294
bmi_l1_5	-0.00600	0.0582	0.0106	0.9179
chl_l2	0.0537	0.0391	1.8847	0.1698
chl_l1	0.00175	0.0375	0.0022	0.9627
hbp_l2	0.0173	0.0444	0.1522	0.6965
hbp_l1	-0.0496	0.0435	1.2954	0.2551
sta_l1	0.0480	0.0315	2.3314	0.1268
sta_l1_ti	0.1012	0.0392	6.6772	0.0098
asn_l2_1	0.0391	0.0274	2.0433	0.1529
asn_l1_1	-0.0325	0.0278	1.3648	0.2427
asn_l2_2	0.0565	0.0275	4.2283	0.0398
asn_l1_2	0.0824	0.0273	9.1225	0.0025
angcbg_l2	-0.2667	0.1240	4.6244	0.0315
angcbg_l1	0.2120	0.1166	3.3051	0.0691
str_l2	0.3628	0.2125	2.9149	0.0878
str_l1	-0.2559	0.1809	2.0012	0.1572
mi_l2	0.4094	0.2613	2.4547	0.1172
mi_l1	-0.1471	0.2328	0.3993	0.5275
mnp	0.0849	0.0434	3.8279	0.0504
pmh	-0.0350	0.0272	1.6515	0.1988
ost	-0.0699	0.0471	2.1999	0.1380
rpmeats_1	-0.2271	0.0341	44.3556	<.0001
rpmeats_2	0.0228	0.0314	0.5301	0.4666
rpmeats_3	0.0588	0.0309	3.6185	0.0571
rpmeats_4	0.0839	0.0298	7.9504	0.0048

(I) Log-linear model to estimate the amount of coffee intake among coffee drinkers

Variable	**Parameter estimate**	**Standard error**	**t value**	**P value**
Intercept	1.23268	0.07636	16.14	<.0001
fhx	0.00299	0.00348	0.86	0.3901
smkhx	0.05722	0.00325	17.62	<.0001

ochx	-0.00215	0.00298	-0.72	0.4709
employed_1	0.01042	0.00550	1.89	0.0582
employed_2	0.00518	0.00877	0.59	0.5551
employed_3	0.03731	0.00446	8.36	<.0001
employed_4	0.01340	0.00577	2.32	0.0202
employed_5	0.00582	0.00413	1.41	0.1589
employed_6	-0.00400	0.00611	-0.65	0.5126
employed_miss	0.01096	0.01969	0.56	0.5780
mar80	0.01237	0.00518	2.39	0.0169
college	-0.00145	0.00317	-0.46	0.6473
stress82	0.00246	0.00330	0.75	0.4561
stress82_miss	0.00243	0.01827	0.13	0.8941
hhighsch	-0.00134	0.00382	-0.35	0.7252
hcollege	-0.01300	0.00414	-3.14	0.0017
hgradsch	-0.02530	0.00439	-5.76	<.0001
lbmi18_2	0.04242	0.00348	12.21	<.0001
lbmi18_3	0.06773	0.00555	12.21	<.0001
lbmi18_4	0.07985	0.01307	6.11	<.0001
baseage	0.00381	0.00297	1.28	0.1992
baseage_sq	-0.00007384	0.00002930	-2.52	0.0117
bmi80_1	0.00899	0.02024	0.44	0.6569
bmi80_2	0.02374	0.01362	1.74	0.0814
bmi80_3	0.03397	0.01298	2.62	0.0089
bmi80_4	0.02772	0.01235	2.24	0.0248
bmi80_5	0.01198	0.01192	1.00	0.3152
act80_1	-0.00032100	0.00433	-0.07	0.9409
act80_2	-0.00672	0.00510	-1.32	0.1877
act80_3	-0.00037112	0.00449	-0.08	0.9342
alc80_1	-0.01064	0.00476	-2.23	0.0254
alc80_2	-0.00896	0.00449	-2.00	0.0460
alc80_3	0.01004	0.00493	2.04	0.0417
rpmeats80_1	-0.04482	0.00832	-5.39	<.0001

rpmeats80_2	-0.02663	0.00504	-5.29	<.0001
rpmeats80_3	-0.00810	0.00423	-1.92	0.0554
rpmeats80_4	-0.00222	0.00382	-0.58	0.5617
coff80_1	-0.27857	0.00421	-66.15	<.0001
coff80_2	-0.25289	0.00568	-44.55	<.0001
coff80_3	-0.20524	0.00869	-23.61	<.0001
whgrn80_1	-0.00993	0.00411	-2.42	0.0156
whgrn80_2	-0.00050482	0.00436	-0.12	0.9077
soda80_1	0.04977	0.00526	9.45	<.0001
soda80_2	0.02794	0.00465	6.01	<.0001
soda80_3	0.01526	0.00459	3.33	0.0009
soda80_4	0.01623	0.00443	3.66	0.0002
cig80_1	-0.06255	0.01185	-5.28	<.0001
cig80_2	-0.06536	0.01469	-4.45	<.0001
cig80_3	-0.05575	0.01286	-4.34	<.0001
cig80_4	-0.02442	0.01140	-2.14	0.0323
period_2	0.06896	0.01660	4.16	<.0001
period_4	0.08159	0.00767	10.64	<.0001
period_6	0.05337	0.00607	8.79	<.0001
period_8	-0.02204	0.00564	-3.91	<.0001
period_10	-0.04470	0.00536	-8.35	<.0001
mnp_l2	-0.01895	0.00636	-2.98	0.0029
mnp_l1	0.00473	0.00834	0.57	0.5704
pmh_l2	0.00128	0.00453	0.28	0.7774
pmh_l1	-0.02295	0.00517	-4.44	<.0001
ost_l2	0.00699	0.00930	0.75	0.4519
ost_l1	0.00174	0.01127	0.15	0.8772
rpmeats_l1_1	0.03005	0.01349	2.23	0.0259
rpmeats_l1_1_ti	-0.02246	0.00709	-3.17	0.0015
rpmeats_l1_2	-0.00859	0.01027	-0.84	0.4031
rpmeats_l1_2_ti	-0.00588	0.00563	-1.04	0.2967
rpmeats_l1_3	0.00481	0.00959	0.50	0.6164

rpmeats_l1_3_ti	-0.00851	0.00536	-1.59	0.1122
rpmeats_l1_4	-0.00630	0.00821	-0.77	0.4434
rpmeats_l1_4_ti	-0.00084007	0.00475	-0.18	0.8596
coff_l1_1	-1.34507	0.01541	-87.31	<.0001
coff_l1_1_ti	-0.21207	0.00913	-23.22	<.0001
coff_l1_2	-1.79408	0.01317	-136.22	<.0001
coff_l1_2_ti	-0.02458	0.00719	-3.42	0.0006
coff_l1_3	-1.07366	0.01472	-72.93	<.0001
coff_l1_3_ti	0.02195	0.00812	2.71	0.0068
coff_l1_4	-0.55582	0.00650	-85.48	<.0001
coff_l1_4_ti	0.01845	0.00365	5.05	<.0001
whgrn_l1_1	0.02544	0.01046	2.43	0.0150
whgrn_l1_1_ti	-0.01005	0.00580	-1.73	0.0829
whgrn_l1_2	0.01612	0.01046	1.54	0.1234
whgrn_l1_2_ti	-0.00923	0.00577	-1.60	0.1095
whgrn_l1_3	0.00950	0.01090	0.87	0.3833
whgrn_l1_3_ti	-0.00554	0.00594	-0.93	0.3515
whgrn_l1_4	0.02722	0.01118	2.43	0.0149
whgrn_l1_4_ti	-0.01817	0.00607	-2.99	0.0027
soda_l1_1	0.05656	0.00966	5.85	<.0001
soda_l1_1_ti	-0.00088518	0.00401	-0.22	0.8253
soda_l1_2	0.03155	0.00783	4.03	<.0001
soda_l1_2_ti	-0.00306	0.00324	-0.94	0.3447
soda_l1_3	0.02477	0.00765	3.24	0.0012
soda_l1_3_ti	-0.00241	0.00320	-0.75	0.4518
soda_l1_4	0.02424	0.00778	3.12	0.0018
soda_l1_4_ti	-0.00689	0.00330	-2.09	0.0368
cal_l1_1	0.02635	0.01125	2.34	0.0191
cal_l1_1_ti	-0.00417	0.00629	-0.66	0.5078
cal_l1_2	0.02484	0.01028	2.42	0.0156
cal_l1_2_ti	-0.00571	0.00575	-0.99	0.3212
cal_l1_3	-0.00112	0.00987	-0.11	0.9098

cal_l1_3_ti	0.00823	0.00552	1.49	0.1355
cal_l1_4	0.00348	0.00953	0.37	0.7151
cal_l1_4_ti	-0.00114	0.00533	-0.21	0.8314
alc_l1_1	-0.01477	0.00874	-1.69	0.0911
alc_l1_1_ti	-0.01631	0.00446	-3.65	0.0003
alc_l1_2	-0.00121	0.00871	-0.14	0.8899
alc_l1_2_ti	-0.01210	0.00468	-2.59	0.0097
alc_l1_3	0.01520	0.01046	1.45	0.1461
alc_l1_3_ti	-0.00950	0.00583	-1.63	0.1032
cig_l2_1	-0.00638	0.01849	-0.34	0.7302
cig_l1_1	-0.15134	0.01821	-8.31	<.0001
cig_l2_2	0.01433	0.02144	0.67	0.5038
cig_l1_2	-0.11777	0.02110	-5.58	<.0001
cig_l2_3	0.02064	0.01887	1.09	0.2742
cig_l1_3	-0.07218	0.01860	-3.88	0.0001
cig_l2_4	0.01648	0.01673	0.99	0.3246
cig_l1_4	-0.03032	0.01670	-1.82	0.0695
mvi_l2	-0.00599	0.00308	-1.95	0.0514
mvi_l1	-0.00663	0.00315	-2.11	0.0351
act_l1_1	-0.02388	0.00466	-5.12	<.0001
act_l1_1_ti	0.01470	0.00503	2.92	0.0035
act_l1_2	-0.02063	0.00534	-3.86	0.0001
act_l1_2_ti	0.01302	0.00612	2.13	0.0335
act_l1_3	-0.02724	0.00937	-2.91	0.0037
act_l1_3_ti	0.01830	0.02044	0.90	0.3706
act_l1_4	-0.01649	0.00606	-2.72	0.0065
act_l1_4_ti	0.01178	0.00571	2.06	0.0390
act_l1_5	-0.00720	0.00983	-0.73	0.4638
act_l1_5_ti	0.00271	0.03467	0.08	0.9377
can_l2	0.02426	0.01314	1.85	0.0649
can_l1	-0.03630	0.01172	-3.10	0.0020
bmi_l2_1	-0.00201	0.02445	-0.08	0.9344

bmi_l1_1	0.03469	0.02204	1.57	0.1155
bmi_l2_2	-0.00665	0.01492	-0.45	0.6560
bmi_l1_2	0.05686	0.01361	4.18	<.0001
bmi_l2_3	-0.00754	0.01385	-0.54	0.5862
bmi_l1_3	0.05810	0.01269	4.58	<.0001
bmi_l2_4	-0.01099	0.01284	-0.86	0.3922
bmi_l1_4	0.05209	0.01181	4.41	<.0001
bmi_l2_5	-0.00522	0.01137	-0.46	0.6464
bmi_l1_5	0.02849	0.01059	2.69	0.0071
chl_l2	0.00156	0.00636	0.25	0.8062
chl_l1	-0.01243	0.00606	-2.05	0.0402
hbp_l2	-0.00651	0.00727	-0.90	0.3705
hbp_l1	-0.05289	0.00708	-7.47	<.0001
sta_l1	-0.00912	0.00542	-1.68	0.0924
sta_l1_ti	-0.00273	0.00598	-0.46	0.6477
asn_l2_1	-0.00308	0.00453	-0.68	0.4963
asn_l1_1	-0.01506	0.00464	-3.24	0.0012
asn_l2_2	0.00446	0.00446	1.00	0.3172
asn_l1_2	-0.00155	0.00444	-0.35	0.7273
angcbg_l2	0.03858	0.02030	1.90	0.0573
angcbg_l1	-0.04681	0.01879	-2.49	0.0127
str_l2	0.10077	0.03999	2.52	0.0117
str_l1	-0.13684	0.03418	-4.00	<.0001
mi_l2	0.05422	0.04300	1.26	0.2074
mi_l1	-0.08283	0.03826	-2.16	0.0304
mnp	0.00932	0.00702	1.33	0.1845
pmh	-0.02056	0.00448	-4.59	<.0001
ost	-0.02268	0.00795	-2.85	0.0043
rpmeats_1	-0.11124	0.00565	-19.69	<.0001
rpmeats_2	-0.07239	0.00501	-14.45	<.0001
rpmeats_3	-0.05723	0.00487	-11.76	<.0001
rpmeats_4	-0.03682	0.00467	-7.89	<.0001

(J) Logistic model to estimate the probability of eating whole grain

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	6.3943	0.6685	91.5055	<.0001
fhx	0.0531	0.0312	2.8981	0.0887
smkhx	-0.0128	0.0314	0.1656	0.6840
ochx	0.1187	0.0263	20.3355	<.0001
employed_1	0.0909	0.0486	3.4966	0.0615
employed_2	0.1519	0.0774	3.8466	0.0498
employed_3	0.0898	0.0385	5.4356	0.0197
employed_4	0.1202	0.0544	4.8774	0.0272
employed_5	0.0841	0.0356	5.5892	0.0181
employed_6	0.1256	0.0560	5.0409	0.0248
employed_miss	-0.4246	0.1798	5.5763	0.0182
mar80	-0.1141	0.0449	6.4452	0.0111
college	0.0815	0.0300	7.3738	0.0066
stress82	-0.0253	0.0293	0.7418	0.3891
stress82_miss	0.1797	0.1710	1.1046	0.2933
hhighsch	0.1805	0.0307	34.5604	<.0001
hcollege	0.2294	0.0359	40.7542	<.0001
hgradsch	0.1782	0.0387	21.1595	<.0001
lbmi18_2	-0.00284	0.0307	0.0086	0.9261
lbmi18_3	0.0965	0.0490	3.8844	0.0487
lbmi18_4	0.0929	0.1110	0.7013	0.4024
baseage	-0.0347	0.0259	1.7918	0.1807
baseage_sq	0.000108	0.000255	0.1813	0.6702
bmi80_1	0.2680	0.1538	3.0366	0.0814
bmi80_2	0.3792	0.1135	11.1548	0.0008
bmi80_3	0.3360	0.1077	9.7289	0.0018
bmi80_4	0.2759	0.1015	7.3897	0.0066

bmi80_5	0.2447	0.0966	6.4132	0.0113
act80_1	-0.0776	0.0393	3.8994	0.0483
act80_2	0.0318	0.0489	0.4234	0.5152
act80_3	0.0125	0.0433	0.0839	0.7721
alc80_1	-0.0102	0.0437	0.0549	0.8148
alc80_2	0.0717	0.0426	2.8234	0.0929
alc80_3	0.0677	0.0475	2.0333	0.1539
rpmeats80_1	-0.1759	0.0758	5.3890	0.0203
rpmeats80_2	-0.0846	0.0435	3.7734	0.0521
rpmeats80_3	-0.0756	0.0370	4.1722	0.0411
rpmeats80_4	-0.1000	0.0334	8.9537	0.0028
coff80_1	0.1008	0.0383	6.9210	0.0085
coff80_2	0.1109	0.0563	3.8736	0.0491
coff80_3	-0.00619	0.0781	0.0063	0.9368
whgrn80_1	-0.5535	0.0532	108.2000	<.0001
whgrn80_2	0.1291	0.0618	4.3597	0.0368
soda80_1	0.0130	0.0449	0.0843	0.7716
soda80_2	0.1018	0.0403	6.3812	0.0115
soda80_3	0.1131	0.0400	7.9737	0.0047
soda80_4	0.0920	0.0368	6.2637	0.0123
cig80_1	0.2363	0.0836	7.9831	0.0047
cig80_2	0.0174	0.1129	0.0237	0.8777
cig80_3	0.1413	0.0912	2.3998	0.1214
cig80_4	0.1132	0.0755	2.2480	0.1338
period_2	0.3916	0.2698	2.1072	0.1466
period_4	0.3096	0.0668	21.5069	<.0001
period_6	0.0586	0.0564	1.0817	0.2983
period_8	-0.2411	0.0511	22.2941	<.0001
period_10	-0.0504	0.0499	1.0197	0.3126
mnp_l2	-0.0505	0.0580	0.7564	0.3845
mnp_l1	0.0268	0.0757	0.1250	0.7237
pmh_l2	0.0578	0.0442	1.7092	0.1911

pmh_l1	0.00561	0.0499	0.0127	0.9104
ost_l2	0.0612	0.0812	0.5672	0.4514
ost_l1	-0.0287	0.0980	0.0861	0.7692
rpmeats_l1_1	0.3212	0.1101	8.5165	0.0035
rpmeats_l1_1_ti	-0.0845	0.0585	2.0852	0.1487
rpmeats_l1_2	0.1810	0.0787	5.2924	0.0214
rpmeats_l1_2_ti	-0.0135	0.0446	0.0921	0.7615
rpmeats_l1_3	0.2279	0.0744	9.3950	0.0022
rpmeats_l1_3_ti	-0.0191	0.0432	0.1949	0.6589
rpmeats_l1_4	0.1640	0.0623	6.9216	0.0085
rpmeats_l1_4_ti	-0.0526	0.0377	1.9473	0.1629
coff_l1_1	-0.0397	0.0873	0.2067	0.6494
coff_l1_1_ti	0.0148	0.0412	0.1288	0.7197
coff_l1_2	-0.1332	0.1072	1.5447	0.2139
coff_l1_2_ti	0.0402	0.0580	0.4810	0.4880
coff_l1_3	-0.0667	0.1270	0.2757	0.5995
coff_l1_3_ti	0.0163	0.0712	0.0523	0.8191
coff_l1_4	0.00647	0.0571	0.0128	0.9099
coff_l1_4_ti	-0.0558	0.0318	3.0789	0.0793
whgrn_l1_1	-3.3692	0.2275	219.3148	<.0001
whgrn_l1_1_ti	0.1365	0.1206	1.2801	0.2579
whgrn_l1_2	-0.9343	0.2441	14.6558	0.0001
whgrn_l1_2_ti	-0.2163	0.1295	2.7885	0.0949
whgrn_l1_3	-0.2756	0.2762	0.9962	0.3182
whgrn_l1_3_ti	-0.2047	0.1460	1.9661	0.1609
whgrn_l1_4	-0.2549	0.2894	0.7758	0.3784
whgrn_l1_4_ti	-0.0643	0.1533	0.1759	0.6750
soda_l1_1	-0.0352	0.0730	0.2318	0.6302
soda_l1_1_ti	-0.0188	0.0309	0.3707	0.5426
soda_l1_2	0.2215	0.0634	12.1937	0.0005
soda_l1_2_ti	-0.0249	0.0272	0.8443	0.3582
soda_l1_3	0.1702	0.0622	7.4843	0.0062

soda_l1_3_ti	-0.00888	0.0272	0.1066	0.7441
soda_l1_4	0.0217	0.0589	0.1357	0.7126
soda_l1_4_ti	-0.00367	0.0261	0.0197	0.8883
cal_l1_1	-0.4036	0.0856	22.2216	<.0001
cal_l1_1_ti	0.0557	0.0502	1.2351	0.2664
cal_l1_2	-0.3556	0.0834	18.1632	<.0001
cal_l1_2_ti	0.0983	0.0492	3.9915	0.0457
cal_l1_3	-0.2564	0.0848	9.1368	0.0025
cal_l1_3_ti	0.0958	0.0501	3.6618	0.0557
cal_l1_4	-0.1001	0.0880	1.2928	0.2555
cal_l1_4_ti	0.0640	0.0519	1.5217	0.2174
alc_l1_1	-0.0934	0.0671	1.9360	0.1641
alc_l1_1_ti	0.0336	0.0336	1.0031	0.3166
alc_l1_2	0.1687	0.0715	5.5600	0.0184
alc_l1_2_ti	0.0290	0.0393	0.5435	0.4610
alc_l1_3	0.1043	0.0875	1.4206	0.2333
alc_l1_3_ti	0.0352	0.0508	0.4794	0.4887
cig_l2_1	0.2431	0.1187	4.1957	0.0405
cig_l1_1	0.2515	0.1108	5.1490	0.0233
cig_l2_2	0.2540	0.1489	2.9104	0.0880
cig_l1_2	0.2948	0.1414	4.3442	0.0371
cig_l2_3	0.2360	0.1208	3.8186	0.0507
cig_l1_3	0.0599	0.1124	0.2844	0.5938
cig_l2_4	0.1167	0.1011	1.3336	0.2482
cig_l1_4	0.1203	0.0964	1.5574	0.2120
mvi_l2	0.1205	0.0284	18.0459	<.0001
mvi_l1	0.1118	0.0289	14.9934	0.0001
act_l1_1	-0.2542	0.0484	27.6052	<.0001
act_l1_1_ti	0.0196	0.0426	0.2111	0.6459
act_l1_2	0.0255	0.0579	0.1947	0.6590
act_l1_2_ti	-0.1156	0.0537	4.6261	0.0315
act_l1_3	0.2891	0.1200	5.8045	0.0160

act_l1_3_ti	-0.2559	0.1339	3.6520	0.0560
act_l1_4	0.1060	0.0690	2.3611	0.1244
act_l1_4_ti	-0.0381	0.0537	0.5036	0.4779
act_l1_5	0.2413	0.1298	3.4529	0.0631
act_l1_5_ti	-0.3162	0.2306	1.8811	0.1702
can_l2	0.0319	0.1158	0.0761	0.7826
can_l1	-0.0473	0.1028	0.2119	0.6453
bmi_l2_1	-0.1968	0.1847	1.1361	0.2865
bmi_l1_1	-0.4415	0.1611	7.5073	0.0061
bmi_l2_2	-0.2677	0.1314	4.1514	0.0416
bmi_l1_2	-0.2140	0.1179	3.2959	0.0695
bmi_l2_3	-0.0809	0.1228	0.4333	0.5104
bmi_l1_3	-0.1720	0.1108	2.4084	0.1207
bmi_l2_4	-0.0585	0.1135	0.2652	0.6066
bmi_l1_4	-0.1307	0.1029	1.6150	0.2038
bmi_l2_5	-0.00471	0.1000	0.0022	0.9625
bmi_l1_5	-0.0684	0.0920	0.5520	0.4575
chl_l2	-0.0765	0.0602	1.6161	0.2036
chl_l1	0.1003	0.0573	3.0585	0.0803
hbp_l2	0.0592	0.0638	0.8606	0.3536
hbp_l1	-0.0190	0.0620	0.0936	0.7596
sta_l1	0.0300	0.0510	0.3466	0.5560
sta_l1_ti	-0.00367	0.0648	0.0032	0.9548
asn_l2_1	-0.0108	0.0404	0.0709	0.7900
asn_l1_1	0.0219	0.0412	0.2839	0.5941
asn_l2_2	-0.00663	0.0406	0.0267	0.8703
asn_l1_2	0.1465	0.0402	13.2814	0.0003
angcbg_l2	-0.4187	0.1964	4.5464	0.0330
angcbg_l1	0.3049	0.1853	2.7078	0.0999
str_l2	-0.2203	0.2852	0.5964	0.4400
str_l1	0.0200	0.2461	0.0066	0.9351
mi_l2	0.1207	0.3906	0.0956	0.7572

mi_l1	0.2300	0.3393	0.4594	0.4979
mnp	0.0988	0.0618	2.5540	0.1100
pmh	0.1382	0.0429	10.3780	0.0013
ost	0.0182	0.0698	0.0683	0.7938
rpmeats_1	-0.0151	0.0475	0.1010	0.7506
rpmeats_2	0.1760	0.0428	16.9193	<.0001
rpmeats_3	0.2253	0.0422	28.4962	<.0001
rpmeats_4	0.1643	0.0391	17.6901	<.0001
coff_1	-0.5777	0.0636	82.4500	<.0001
coff_2	-0.2507	0.0614	16.6756	<.0001
coff_3	-0.2039	0.0662	9.4959	0.0021
coff_4	-0.2317	0.0363	40.7941	<.0001

(K) Log-linear model to estimate the amount of whole grain intake in women who eat whole grain

Variable	Parameter estimate	Standard error	t value	P value
Intercept	0.45405	0.07233	6.28	<.0001
fhx	0.00433	0.00331	1.31	0.1914
smkhx	-0.00582	0.00310	-1.88	0.0606
ochx	0.01182	0.00284	4.16	<.0001
employed_1	-0.00274	0.00525	-0.52	0.6019
employed_2	-0.00570	0.00834	-0.68	0.4948
employed_3	0.00643	0.00423	1.52	0.1289
employed_4	0.01512	0.00551	2.75	0.0060
employed_5	0.00096517	0.00392	0.25	0.8054
employed_6	0.00894	0.00580	1.54	0.1230
employed_miss	-0.00672	0.01866	-0.36	0.7187
mar80	-0.02382	0.00497	-4.79	<.0001
college	0.01715	0.00301	5.70	<.0001
stress82	0.00793	0.00313	2.53	0.0114
stress82_miss	-0.00200	0.01728	-0.12	0.9079
hhighsch	0.02062	0.00365	5.65	<.0001

hcollege	0.03163	0.00395	8.00	<.0001
hgradsch	0.02832	0.00418	6.77	<.0001
lbmi18_2	0.00430	0.00333	1.29	0.1966
lbmi18_3	0.00580	0.00532	1.09	0.2756
lbmi18_4	0.01380	0.01258	1.10	0.2727
baseage	0.00734	0.00281	2.61	0.0091
baseage_sq	-0.00006466	0.00002778	-2.33	0.0199
bmi80_1	-0.00072843	0.01901	-0.04	0.9694
bmi80_2	0.02405	0.01265	1.90	0.0574
bmi80_3	0.02845	0.01204	2.36	0.0181
bmi80_4	0.01925	0.01143	1.68	0.0921
bmi80_5	0.02474	0.01099	2.25	0.0244
act80_1	-0.01464	0.00410	-3.57	0.0004
act80_2	-0.00005156	0.00483	-0.01	0.9915
act80_3	-0.00160	0.00425	-0.38	0.7064
alc80_1	0.02478	0.00460	5.38	<.0001
alc80_2	0.01984	0.00437	4.54	<.0001
alc80_3	0.02414	0.00484	4.99	<.0001
rpmeats80_1	0.01806	0.00766	2.36	0.0184
rpmeats80_2	-0.01132	0.00478	-2.37	0.0179
rpmeats80_3	-0.01992	0.00405	-4.91	<.0001
rpmeats80_4	-0.00522	0.00364	-1.43	0.1519
coff80_1	0.00875	0.00395	2.21	0.0268
coff80_2	0.00901	0.00554	1.62	0.1042
coff80_3	0.00355	0.00860	0.41	0.6802
whgrn80_1	-0.21612	0.00389	-55.62	<.0001
whgrn80_2	-0.07818	0.00412	-18.96	<.0001
soda80_1	0.04787	0.00501	9.56	<.0001
soda80_2	0.04151	0.00440	9.43	<.0001
soda80_3	0.03893	0.00434	8.97	<.0001
soda80_4	0.02660	0.00416	6.39	<.0001
cig80_1	0.05005	0.01157	4.33	<.0001

cig80_2	0.01619	0.01436	1.13	0.2597
cig80_3	0.03671	0.01258	2.92	0.0035
cig80_4	0.02224	0.01117	1.99	0.0464
period_2	0.00769	0.01611	0.48	0.6329
period_4	0.12061	0.00726	16.60	<.0001
period_6	-0.04557	0.00574	-7.94	<.0001
period_8	-0.09786	0.00533	-18.37	<.0001
period_10	0.00279	0.00503	0.55	0.5800
mnp_l2	-0.01085	0.00605	-1.79	0.0730
mnp_l1	-0.01374	0.00794	-1.73	0.0836
pmh_l2	0.00952	0.00430	2.22	0.0267
pmh_l1	0.00626	0.00492	1.27	0.2029
ost_l2	-0.01570	0.00881	-1.78	0.0747
ost_l1	-0.01496	0.01070	-1.40	0.1618
rpmeats_l1_1	0.12414	0.01296	9.58	<.0001
rpmeats_l1_1_ti	-0.01214	0.00679	-1.79	0.0736
rpmeats_l1_2	0.08682	0.01000	8.69	<.0001
rpmeats_l1_2_ti	-0.00962	0.00546	-1.76	0.0782
rpmeats_l1_3	0.05141	0.00935	5.50	<.0001
rpmeats_l1_3_ti	-0.00266	0.00520	-0.51	0.6085
rpmeats_l1_4	0.03071	0.00800	3.84	0.0001
rpmeats_l1_4_ti	-0.00131	0.00460	-0.28	0.7760
coff_l1_1	0.01541	0.01107	1.39	0.1638
coff_l1_1_ti	-0.01004	0.00540	-1.86	0.0633
coff_l1_2	0.00664	0.01332	0.50	0.6182
coff_l1_2_ti	-0.00090839	0.00701	-0.13	0.8968
coff_l1_3	0.01664	0.01522	1.09	0.2741
coff_l1_3_ti	-0.00740	0.00824	-0.90	0.3692
coff_l1_4	0.00543	0.00692	0.78	0.4327
coff_l1_4_ti	-0.00979	0.00373	-2.62	0.0087
whgrn_l1_1	-1.44035	0.01015	-141.86	<.0001
whgrn_l1_1_ti	0.09978	0.00561	17.78	<.0001

whgrn_l1_2	-0.83614	0.01007	-83.06	<.0001
whgrn_l1_2_ti	0.04045	0.00553	7.32	<.0001
whgrn_l1_3	-0.53287	0.01050	-50.74	<.0001
whgrn_l1_3_ti	0.02485	0.00570	4.36	<.0001
whgrn_l1_4	-0.26952	0.01076	-25.06	<.0001
whgrn_l1_4_ti	0.00676	0.00581	1.16	0.2453
soda_l1_1	0.08281	0.00932	8.89	<.0001
soda_l1_1_ti	-0.01102	0.00387	-2.85	0.0044
soda_l1_2	0.06012	0.00753	7.99	<.0001
soda_l1_2_ti	-0.00723	0.00311	-2.33	0.0200
soda_l1_3	0.02748	0.00737	3.73	0.0002
soda_l1_3_ti	0.00225	0.00308	0.73	0.4638
soda_l1_4	0.02569	0.00746	3.44	0.0006
soda_l1_4_ti	-0.00137	0.00316	-0.43	0.6644
cal_l1_1	-0.19564	0.01091	-17.92	<.0001
cal_l1_1_ti	-0.02363	0.00608	-3.89	0.0001
cal_l1_2	-0.11843	0.00997	-11.88	<.0001
cal_l1_2_ti	-0.01877	0.00555	-3.38	0.0007
cal_l1_3	-0.09327	0.00956	-9.76	<.0001
cal_l1_3_ti	-0.01074	0.00532	-2.02	0.0435
cal_l1_4	-0.05743	0.00925	-6.21	<.0001
cal_l1_4_ti	-0.00290	0.00515	-0.56	0.5736
alc_l1_1	0.05705	0.00860	6.63	<.0001
alc_l1_1_ti	0.01846	0.00439	4.20	<.0001
alc_l1_2	0.04883	0.00863	5.66	<.0001
alc_l1_2_ti	0.01689	0.00462	3.65	0.0003
alc_l1_3	0.03864	0.01043	3.70	0.0002
alc_l1_3_ti	0.01372	0.00580	2.37	0.0180
cig_l2_1	0.01414	0.01827	0.77	0.4390
cig_l1_1	0.13795	0.01811	7.62	<.0001
cig_l2_2	0.02192	0.02120	1.03	0.3011
cig_l1_2	0.08891	0.02096	4.24	<.0001

cig_l2_3	-0.00960	0.01868	-0.51	0.6073
cig_l1_3	0.07103	0.01852	3.84	0.0001
cig_l2_4	-0.01951	0.01658	-1.18	0.2393
cig_l1_4	0.03430	0.01666	2.06	0.0395
mvi_l2	0.01249	0.00293	4.26	<.0001
mvi_l1	0.04646	0.00300	15.50	<.0001
act_l1_1	-0.10086	0.00442	-22.84	<.0001
act_l1_1_ti	0.02823	0.00485	5.82	<.0001
act_l1_2	-0.04457	0.00506	-8.80	<.0001
act_l1_2_ti	0.00934	0.00590	1.58	0.1136
act_l1_3	-0.01333	0.00889	-1.50	0.1336
act_l1_3_ti	-0.02559	0.02018	-1.27	0.2048
act_l1_4	-0.01893	0.00574	-3.30	0.0010
act_l1_4_ti	0.00616	0.00548	1.12	0.2612
act_l1_5	-0.01499	0.00930	-1.61	0.1071
act_l1_5_ti	0.00454	0.03394	0.13	0.8937
can_l2	-0.01606	0.01242	-1.29	0.1959
can_l1	0.00104	0.01109	0.09	0.9254
bmi_l2_1	-0.05202	0.02307	-2.26	0.0241
bmi_l1_1	0.01677	0.02081	0.81	0.4205
bmi_l2_2	-0.03178	0.01394	-2.28	0.0226
bmi_l1_2	0.01515	0.01277	1.19	0.2356
bmi_l2_3	-0.01845	0.01290	-1.43	0.1525
bmi_l1_3	0.00570	0.01188	0.48	0.6311
bmi_l2_4	-0.00556	0.01192	-0.47	0.6410
bmi_l1_4	0.00088630	0.01102	0.08	0.9359
bmi_l2_5	-0.01097	0.01051	-1.04	0.2968
bmi_l1_5	0.00139	0.00983	0.14	0.8874
chl_l2	-0.02847	0.00606	-4.70	<.0001
chl_l1	0.05471	0.00578	9.47	<.0001
hbp_l2	-0.01290	0.00693	-1.86	0.0629
hbp_l1	-0.00682	0.00676	-1.01	0.3130

sta_l1	-0.00474	0.00513	-0.92	0.3555
sta_l1_ti	-0.00872	0.00577	-1.51	0.1303
asn_l2_1	-0.00292	0.00432	-0.68	0.4990
asn_l1_1	-0.01567	0.00441	-3.55	0.0004
asn_l2_2	0.00748	0.00426	1.75	0.0793
asn_l1_2	-0.00650	0.00424	-1.53	0.1251
angcbg_l2	-0.05766	0.01935	-2.98	0.0029
angcbg_l1	0.05487	0.01795	3.06	0.0022
str_l2	-0.02460	0.03760	-0.65	0.5130
str_l1	-0.03317	0.03210	-1.03	0.3014
mi_l2	-0.01028	0.04085	-0.25	0.8013
mi_l1	-0.00288	0.03628	-0.08	0.9368
mnp	0.04908	0.00669	7.34	<.0001
pmh	0.02139	0.00425	5.03	<.0001
ost	0.02761	0.00755	3.66	0.0003
rpmeats_1	0.02707	0.00538	5.03	<.0001
rpmeats_2	0.00189	0.00479	0.39	0.6934
rpmeats_3	0.00238	0.00466	0.51	0.6096
rpmeats_4	0.00878	0.00448	1.96	0.0499
coff_1	-0.06133	0.00713	-8.60	<.0001
coff_2	-0.04637	0.00625	-7.42	<.0001
coff_3	-0.06115	0.00671	-9.11	<.0001
coff_4	-0.03541	0.00362	-9.77	<.0001

(L) Logistic model to estimate the probability of soda intake

Variable	**Log odds ratio**	**Standard error**	**Wald chi-square**	**P value**
Intercept	4.3341	0.3773	131.9271	<.0001
fhx	-0.0274	0.0164	2.7991	0.0943
smkhx	-0.0802	0.0152	27.9163	<.0001
ochx	0.00592	0.0139	0.1811	0.6705

employed_1	-0.0109	0.0253	0.1870	0.6654
employed_2	0.0426	0.0428	0.9870	0.3205
employed_3	0.00121	0.0208	0.0034	0.9537
employed_4	0.0470	0.0273	2.9754	0.0845
employed_5	0.00353	0.0188	0.0354	0.8507
employed_6	0.0314	0.0274	1.3169	0.2512
employed_miss	-0.0327	0.0922	0.1262	0.7224
mar80	0.0255	0.0241	1.1230	0.2893
college	-0.0353	0.0146	5.8086	0.0159
stress82	-0.00696	0.0151	0.2137	0.6439
stress82_miss	0.0727	0.0849	0.7318	0.3923
hhighsch	0.0262	0.0184	2.0106	0.1562
hcollege	0.00527	0.0197	0.0717	0.7889
hgradsch	0.0267	0.0206	1.6942	0.1930
lbmi18_2	-0.0742	0.0163	20.6502	<.0001
lbmi18_3	-0.0878	0.0269	10.6395	0.0011
lbmi18_4	-0.1232	0.0645	3.6420	0.0563
baseage	-0.0355	0.0145	6.0034	0.0143
baseage_sq	0.000219	0.000141	2.4156	0.1201
bmi80_1	-0.0590	0.0886	0.4441	0.5051
bmi80_2	-0.0664	0.0659	1.0179	0.3130
bmi80_3	-0.0431	0.0637	0.4581	0.4985
bmi80_4	0.0133	0.0616	0.0469	0.8286
bmi80_5	-0.0233	0.0608	0.1465	0.7019
act80_1	-0.0197	0.0178	1.2276	0.2679
act80_2	0.0339	0.0213	2.5323	0.1115
act80_3	0.00993	0.0185	0.2888	0.5910
alc80_1	0.1137	0.0214	28.2675	<.0001
alc80_2	0.1679	0.0207	65.8531	<.0001
alc80_3	0.1311	0.0233	31.6660	<.0001
rpmeats80_1	-0.0659	0.0315	4.3883	0.0362
rpmeats80_2	-0.0449	0.0214	4.4012	0.0359

rpmeats80_3	0.00678	0.0195	0.1204	0.7286
rpmeats80_4	-0.0167	0.0179	0.8790	0.3485
coff80_1	0.0979	0.0191	26.2195	<.0001
coff80_2	0.0697	0.0284	6.0227	0.0141
coff80_3	0.1089	0.0448	5.9040	0.0151
whgrn80_1	0.0414	0.0185	5.0370	0.0248
whgrn80_2	-0.00620	0.0193	0.1031	0.7481
soda80_1	-0.9843	0.0258	1455.1505	<.0001
soda80_2	-0.4631	0.0254	333.3320	<.0001
soda80_3	-0.1845	0.0269	46.8672	<.0001
soda80_4	-0.1541	0.0274	31.6836	<.0001
cig80_1	0.0727	0.0500	2.1175	0.1456
cig80_2	0.2038	0.0649	9.8602	0.0017
cig80_3	0.0654	0.0550	1.4111	0.2349
cig80_4	0.0678	0.0484	1.9622	0.1613
period_4	0.6290	0.0750	70.3962	<.0001
period_6	0.8835	0.0250	1251.5519	<.0001
period_8	0.6654	0.0223	889.9665	<.0001
period_10	0.4164	0.0200	431.6005	<.0001
mnp_l2	-0.0915	0.0353	6.7305	0.0095
mnp_l1	0.00550	0.0488	0.0127	0.9103
pmh_l2	0.0309	0.0195	2.5073	0.1133
pmh_l1	-0.0137	0.0232	0.3465	0.5561
ost_l2	-0.0131	0.0367	0.1277	0.7209
ost_l1	0.0831	0.0451	3.3887	0.0656
rpmeats_l1_1	0.0300	0.0285	1.1059	0.2930
rpmeats_l1_2	0.0625	0.0262	5.7020	0.0169
rpmeats_l1_3	0.0291	0.0257	1.2831	0.2573
rpmeats_l1_4	0.0231	0.0249	0.8591	0.3540
coff_l1_1	0.2702	0.0352	58.8927	<.0001
coff_l1_2	0.1492	0.0312	22.9101	<.0001
coff_l1_3	0.1185	0.0344	11.8761	0.0006

coff_l1_4	0.0280	0.0175	2.5424	0.1108
whgrn_l1_1	0.1431	0.0255	31.4415	<.0001
whgrn_l1_2	0.1201	0.0228	27.8560	<.0001
whgrn_l1_3	0.0984	0.0211	21.7064	<.0001
whgrn_l1_4	0.0686	0.0198	12.0243	0.0005
soda_l1_1	-3.9963	0.0990	1628.6880	<.0001
soda_l1_1_ti	0.1587	0.0384	17.0641	<.0001
soda_l1_2	-2.3571	0.0980	578.9727	<.0001
soda_l1_2_ti	0.1565	0.0381	16.8463	<.0001
soda_l1_3	-0.9685	0.1055	84.3102	<.0001
soda_l1_3_ti	0.00188	0.0411	0.0021	0.9635
soda_l1_4	-0.5778	0.1152	25.1408	<.0001
soda_l1_4_ti	0.0313	0.0452	0.4795	0.4887
cal_l1_1	-0.1402	0.0246	32.4241	<.0001
cal_l1_2	-0.1161	0.0229	25.6005	<.0001
cal_l1_3	-0.0720	0.0223	10.3846	0.0013
cal_l1_4	-0.0494	0.0221	5.0120	0.0252
alc_l1_1	0.0950	0.0223	18.0921	<.0001
alc_l1_2	0.1515	0.0216	49.2462	<.0001
alc_l1_3	0.1381	0.0242	32.4661	<.0001
cig_l2_1	0.1199	0.0940	1.6265	0.2022
cig_l1_1	0.1231	0.1028	1.4336	0.2312
cig_l2_2	0.1618	0.1087	2.2164	0.1365
cig_l1_2	0.0383	0.1163	0.1083	0.7421
cig_l2_3	0.1208	0.0951	1.6123	0.2042
cig_l1_3	0.1991	0.1041	3.6594	0.0558
cig_l2_4	0.0245	0.0854	0.0824	0.7740
cig_l1_4	0.1859	0.0956	3.7810	0.0518
mvi_l2	-0.0415	0.0146	8.0552	0.0045
mvi_l1	0.00993	0.0150	0.4373	0.5084
act_l1_1	0.1526	0.0189	65.2088	<.0001
act_l1_2	0.1525	0.0219	48.5430	<.0001

act_l1_3	0.2173	0.0405	28.8393	<.0001
act_l1_4	0.0967	0.0245	15.5446	<.0001
act_l1_5	0.0694	0.0406	2.9211	0.0874
can_l2	0.00316	0.0524	0.0036	0.9520
can_l1	0.0235	0.0473	0.2476	0.6188
bmi_l2_1	0.2638	0.1026	6.6075	0.0102
bmi_l1_1	-0.3954	0.0957	17.0534	<.0001
bmi_l2_2	0.1932	0.0708	7.4390	0.0064
bmi_l1_2	-0.2525	0.0682	13.7016	0.0002
bmi_l2_3	0.1803	0.0668	7.2930	0.0069
bmi_l1_3	-0.1654	0.0644	6.5960	0.0102
bmi_l2_4	0.1588	0.0626	6.4294	0.0112
bmi_l1_4	-0.0919	0.0606	2.3017	0.1292
bmi_l2_5	0.1057	0.0560	3.5607	0.0592
bmi_l1_5	-0.0370	0.0546	0.4577	0.4987
chl_l2	-0.0114	0.0288	0.1555	0.6933
chl_l1	0.0543	0.0280	3.7727	0.0521
hbp_l2	0.0262	0.0329	0.6347	0.4256
hbp_l1	0.00415	0.0323	0.0165	0.8976
sta_l1	-0.0163	0.0211	0.5973	0.4396
sta_l1_ti	0.0133	0.0272	0.2406	0.6238
asn_l2_1	-0.0465	0.0204	5.1769	0.0229
asn_l1_1	0.0217	0.0202	1.1553	0.2825
asn_l2_2	0.0276	0.0202	1.8576	0.1729
asn_l1_2	0.0686	0.0200	11.7211	0.0006
angcbg_l2	0.0231	0.0842	0.0752	0.7840
angcbg_l1	0.000910	0.0788	0.0001	0.9908
str_l2	0.0275	0.1477	0.0346	0.8525
str_l1	-0.0921	0.1271	0.5256	0.4685
mi_l2	-0.0472	0.1717	0.0757	0.7833
mi_l1	0.2349	0.1535	2.3417	0.1260
mnp	-0.0180	0.0441	0.1660	0.6837

pmh	-0.00072	0.0208	0.0012	0.9723
ost	-0.0919	0.0321	8.1673	0.0043
rpmeats_1	-0.6330	0.0285	494.4805	<.0001
rpmeats_2	-0.3418	0.0273	157.3510	<.0001
rpmeats_3	-0.1931	0.0274	49.8027	<.0001
rpmeats_4	-0.0786	0.0278	8.0033	0.0047
coff_1	-0.4640	0.0339	187.5104	<.0001
coff_2	-0.0906	0.0303	8.9234	0.0028
coff_3	0.0998	0.0337	8.7702	0.0031
coff_4	-0.0356	0.0184	3.7581	0.0526
whgrn_1	-0.0813	0.0249	10.6321	0.0011
whgrn_2	0.0224	0.0221	1.0303	0.3101
whgrn_3	0.0388	0.0206	3.5316	0.0602
whgrn_4	0.0466	0.0192	5.9039	0.0151

(M) Log-linear model to estimate the amount of soda intake in women who drink soda

Variable	Parameter estimate	Standard error	t value	P value
Intercept	1.31861	0.10706	12.32	<.0001
fhx	-0.00156	0.00481	-0.32	0.7462
smkhx	0.01629	0.00451	3.61	0.0003
ochx	0.01134	0.00413	2.75	0.0060
employed_1	0.01853	0.00767	2.42	0.0157
employed_2	0.01674	0.01198	1.40	0.1623
employed_3	0.00172	0.00615	0.28	0.7800
employed_4	0.01482	0.00797	1.86	0.0629
employed_5	0.01009	0.00572	1.76	0.0777
employed_6	-0.01177	0.00851	-1.38	0.1667
employed_miss	0.00757	0.02717	0.28	0.7806
mar80	-0.01092	0.00732	-1.49	0.1360
college	0.00709	0.00437	1.62	0.1043
stress82	0.01153	0.00457	2.53	0.0115

stress82_miss	-0.01598	0.02517	-0.63	0.5256
hhighsch	-0.02021	0.00534	-3.79	0.0002
hcollege	-0.01733	0.00579	-2.99	0.0028
hgradsch	-0.00496	0.00613	-0.81	0.4180
lbmi18_2	-0.01366	0.00484	-2.82	0.0047
lbmi18_3	0.00433	0.00773	0.56	0.5754
lbmi18_4	0.00549	0.01841	0.30	0.7657
baseage	-0.02575	0.00417	-6.17	<.0001
baseage_sq	0.00015627	0.00004125	3.79	0.0002
bmi80_1	-0.04853	0.02606	-1.86	0.0626
bmi80_2	-0.04060	0.01711	-2.37	0.0176
bmi80_3	-0.03258	0.01631	-2.00	0.0458
bmi80_4	-0.01791	0.01552	-1.15	0.2484
bmi80_5	-0.00217	0.01505	-0.14	0.8854
act80_1	-0.00738	0.00537	-1.37	0.1694
act80_2	-0.01776	0.00631	-2.82	0.0049
act80_3	-0.01070	0.00557	-1.92	0.0545
alc80_1	-0.03039	0.00655	-4.64	<.0001
alc80_2	-0.01007	0.00624	-1.61	0.1068
alc80_3	-0.01236	0.00698	-1.77	0.0766
rpmeats80_1	0.01503	0.01185	1.27	0.2048
rpmeats80_2	0.00549	0.00710	0.77	0.4388
rpmeats80_3	0.00755	0.00587	1.29	0.1982
rpmeats80_4	0.00850	0.00527	1.61	0.1066
coff80_1	0.02901	0.00568	5.11	<.0001
coff80_2	0.00062767	0.00793	0.08	0.9369
coff80_3	0.00429	0.01234	0.35	0.7279
whgrn80_1	0.03657	0.00573	6.39	<.0001
whgrn80_2	0.00423	0.00611	0.69	0.4885
soda80_1	-0.47346	0.00745	-63.58	<.0001
soda80_2	-0.41028	0.00618	-66.40	<.0001
soda80_3	-0.27980	0.00601	-46.55	<.0001

soda80_4	-0.16337	0.00575	-28.43	<.0001
cig80_1	-0.10945	0.01551	-7.05	<.0001
cig80_2	-0.11226	0.01933	-5.81	<.0001
cig80_3	-0.08244	0.01697	-4.86	<.0001
cig80_4	-0.04796	0.01507	-3.18	0.0015
period_4	0.23502	0.01154	20.37	<.0001
period_6	0.26636	0.00782	34.05	<.0001
period_8	0.19946	0.00723	27.59	<.0001
period_10	0.14018	0.00685	20.47	<.0001
mnp_l2	-0.00136	0.00878	-0.15	0.8772
mnp_l1	-0.02968	0.01164	-2.55	0.0108
pmh_l2	0.01797	0.00594	3.02	0.0025
pmh_l1	-0.00691	0.00685	-1.01	0.3131
ost_l2	0.00927	0.01226	0.76	0.4497
ost_l1	0.01807	0.01497	1.21	0.2274
rpmeats_l1_1	0.04206	0.00833	5.05	<.0001
rpmeats_l1_2	0.01482	0.00712	2.08	0.0373
rpmeats_l1_3	0.01278	0.00670	1.91	0.0563
rpmeats_l1_4	0.01426	0.00623	2.29	0.0221
coff_l1_1	0.13421	0.01075	12.49	<.0001
coff_l1_2	0.05397	0.00927	5.82	<.0001
coff_l1_3	0.03826	0.00983	3.89	<.0001
coff_l1_4	0.02767	0.00511	5.41	<.0001
whgrn_l1_1	0.08900	0.00750	11.87	<.0001
whgrn_l1_2	0.06202	0.00672	9.23	<.0001
whgrn_l1_3	0.04219	0.00635	6.65	<.0001
whgrn_l1_4	0.02915	0.00608	4.79	<.0001
soda_l1_1	-1.80281	0.02646	-68.12	<.0001
soda_l1_1_ti	0.10504	0.01012	10.38	<.0001
soda_l1_2	-1.64547	0.01694	-97.11	<.0001
soda_l1_2_ti	0.06541	0.00641	10.21	<.0001
soda_l1_3	-1.09191	0.01654	-66.02	<.0001

soda_l1_3_ti	0.06249	0.00623	10.03	<.0001
soda_l1_4	-0.53931	0.01672	-32.26	<.0001
soda_l1_4_ti	0.02355	0.00633	3.72	0.0002
cal_l1_1	-0.02339	0.00723	-3.23	0.0012
cal_l1_2	-0.03931	0.00650	-6.05	<.0001
cal_l1_3	-0.03498	0.00612	-5.71	<.0001
cal_l1_4	-0.03380	0.00586	-5.77	<.0001
alc_l1_1	0.03538	0.00689	5.13	<.0001
alc_l1_2	0.01940	0.00657	2.95	0.0031
alc_l1_3	-0.00978	0.00734	-1.33	0.1826
cig_l2_1	-0.04847	0.02753	-1.76	0.0783
cig_l1_1	-0.00431	0.03032	-0.14	0.8870
cig_l2_2	-0.02961	0.03163	-0.94	0.3491
cig_l1_2	-0.01695	0.03429	-0.49	0.6211
cig_l2_3	-0.05023	0.02803	-1.79	0.0732
cig_l1_3	-0.00509	0.03085	-0.16	0.8690
cig_l2_4	-0.04494	0.02520	-1.78	0.0745
cig_l1_4	-0.01056	0.02839	-0.37	0.7100
mvi_l2	-0.00086672	0.00414	-0.21	0.8343
mvi_l1	-0.00896	0.00425	-2.11	0.0349
act_l1_1	0.02089	0.00586	3.56	0.0004
act_l1_2	0.00374	0.00667	0.56	0.5750
act_l1_3	-0.01079	0.01156	-0.93	0.3505
act_l1_4	-0.01817	0.00759	-2.39	0.0166
act_l1_5	-0.03386	0.01222	-2.77	0.0056
can_l2	-0.00680	0.01635	-0.42	0.6777
can_l1	0.01458	0.01455	1.00	0.3162
bmi_l2_1	0.03304	0.03351	0.99	0.3242
bmi_l1_1	-0.07556	0.03149	-2.40	0.0164
bmi_l2_2	0.00043506	0.01891	0.02	0.9816
bmi_l1_2	-0.06964	0.01811	-3.85	0.0001
bmi_l2_3	0.00793	0.01736	0.46	0.6478

bmi_l1_3	-0.04418	0.01661	-2.66	0.0078
bmi_l2_4	0.00898	0.01596	0.56	0.5737
bmi_l1_4	-0.02790	0.01527	-1.83	0.0677
bmi_l2_5	-0.00196	0.01404	-0.14	0.8892
bmi_l1_5	-0.00492	0.01355	-0.36	0.7162
chl_l2	-0.00749	0.00805	-0.93	0.3519
chl_l1	0.01527	0.00770	1.98	0.0473
hbp_l2	0.01527	0.00979	1.56	0.1186
hbp_l1	-0.01228	0.00957	-1.28	0.1997
sta_l1	0.00808	0.00685	1.18	0.2385
sta_l1_ti	0.00812	0.00740	1.10	0.2720
asn_l2_1	-0.01920	0.00626	-3.07	0.0022
asn_l1_1	0.00020491	0.00622	0.03	0.9737
asn_l2_2	-0.01738	0.00608	-2.86	0.0043
asn_l1_2	-0.00807	0.00603	-1.34	0.1812
angcbg_l2	-0.00532	0.02528	-0.21	0.8332
angcbg_l1	0.02516	0.02341	1.07	0.2825
str_l2	0.05048	0.05070	1.00	0.3194
str_l1	0.00305	0.04317	0.07	0.9436
mi_l2	-0.01420	0.05411	-0.26	0.7930
mi_l1	0.06776	0.04796	1.41	0.1577
mnp	0.00654	0.01020	0.64	0.5218
pmh	-0.02298	0.00597	-3.85	0.0001
ost	-0.01487	0.01059	-1.40	0.1604
rpmeats_1	-0.24588	0.00782	-31.43	<.0001
rpmeats_2	-0.18852	0.00702	-26.84	<.0001
rpmeats_3	-0.12594	0.00680	-18.52	<.0001
rpmeats_4	-0.06914	0.00665	-10.40	<.0001
coff_1	-0.01593	0.01052	-1.52	0.1297
coff_2	-0.05574	0.00897	-6.21	<.0001
coff_3	-0.01420	0.00953	-1.49	0.1361
coff_4	-0.00250	0.00531	-0.47	0.6384

whgrn_1	-0.03718	0.00734	-5.07	<.0001
whgrn_2	-0.04273	0.00651	-6.56	<.0001
whgrn_3	-0.04752	0.00616	-7.72	<.0001
whgrn_4	-0.03140	0.00586	-5.35	<.0001

(N) Linear model to estimate the amount of total calories in diet

Variable	Parameter estimate	Standard error	t value	P value
Intercept	3108.07399	33.68155	92.28	<.0001
fhx	-3.87927	1.54379	-2.51	0.0120
smkhx	-3.79758	1.44798	-2.62	0.0087
ochx	-14.36500	1.32363	-10.85	<.0001
employed_1	-17.43626	2.44548	-7.13	<.0001
employed_2	-11.94372	3.88760	-3.07	0.0021
employed_3	-10.72159	1.97103	-5.44	<.0001
employed_4	-12.05768	2.56914	-4.69	<.0001
employed_5	-12.63207	1.82413	-6.92	<.0001
employed_6	-3.61795	2.70258	-1.34	0.1807
employed_miss	1.60473	8.69684	0.18	0.8536
mar80	-1.43421	2.31330	-0.62	0.5353
college	7.06069	1.40433	5.03	<.0001
stress82	9.29439	1.46083	6.36	<.0001
stress82_miss	7.49046	8.06163	0.93	0.3528
hhighsch	0.06226	1.69476	0.04	0.9707
hcollege	7.93249	1.84078	4.31	<.0001
hgradsch	16.61551	1.94777	8.53	<.0001
lbmi18_2	-7.67516	1.54947	-4.95	<.0001
lbmi18_3	-16.22574	2.47859	-6.55	<.0001
lbmi18_4	-33.78870	5.85045	-5.78	<.0001
baseage	-12.25424	1.31037	-9.35	<.0001
baseage_sq	0.09632	0.01294	7.44	<.0001

bmi80_1	-12.59242	8.80962	-1.43	0.1529
bmi80_2	-15.33693	5.88611	-2.61	0.0092
bmi80_3	-10.59554	5.59776	-1.89	0.0584
bmi80_4	-4.59386	5.31228	-0.86	0.3872
bmi80_5	1.93936	5.10963	0.38	0.7043
act80_1	-7.46702	1.91020	-3.91	<.0001
act80_2	-4.65336	2.25377	-2.06	0.0390
act80_3	-3.45498	1.98286	-1.74	0.0814
alc80_1	-28.15325	2.14538	-13.12	<.0001
alc80_2	-19.67507	2.03871	-9.65	<.0001
alc80_3	-15.26925	2.25597	-6.77	<.0001
rpmeats80_1	-2.23929	3.57476	-0.63	0.5310
rpmeats80_2	-20.45000	2.22661	-9.18	<.0001
rpmeats80_3	-9.52604	1.88822	-5.04	<.0001
rpmeats80_4	-4.84181	1.69723	-2.85	0.0043
coff80_1	9.20197	1.84336	4.99	<.0001
coff80_2	11.09198	2.58901	4.28	<.0001
coff80_3	4.20772	4.00605	1.05	0.2936
whgrn80_1	-31.48717	1.83174	-17.19	<.0001
whgrn80_2	-16.11636	1.93770	-8.32	<.0001
soda80_1	-12.26386	2.36484	-5.19	<.0001
soda80_2	-13.49568	2.07308	-6.51	<.0001
soda80_3	-10.36974	2.03653	-5.09	<.0001
soda80_4	-14.60941	1.94507	-7.51	<.0001
cig80_1	9.45070	5.34411	1.77	0.0770
cig80_2	18.41689	6.65484	2.77	0.0057
cig80_3	2.62940	5.81566	0.45	0.6512
cig80_4	-3.88457	5.15145	-0.75	0.4508
period_2	-127.59907	7.96335	-16.02	<.0001
period_4	-9.79377	4.21037	-2.33	0.0200
period_6	10.21206	2.69326	3.79	0.0001
period_8	60.66376	2.49493	24.31	<.0001

period_10	11.32670	2.35264	4.81	<.0001
mnp_l2	-0.89991	2.82200	-0.32	0.7498
mnp_l1	-2.41534	3.70274	-0.65	0.5142
pmh_l2	-0.47106	2.00689	-0.23	0.8144
pmh_l1	3.02357	2.29520	1.32	0.1877
ost_l2	4.27674	4.10383	1.04	0.2973
ost_l1	2.99609	4.98056	0.60	0.5475
rpmeats_l1_1	247.59724	6.02749	41.08	<.0001
rpmeats_l1_1_ti	-24.19979	3.15762	-7.66	<.0001
rpmeats_l1_2	205.17409	4.63272	44.29	<.0001
rpmeats_l1_2_ti	-22.46402	2.53238	-8.87	<.0001
rpmeats_l1_3	159.68362	4.33523	36.83	<.0001
rpmeats_l1_3_ti	-19.24518	2.41091	-7.98	<.0001
rpmeats_l1_4	88.62769	3.70952	23.89	<.0001
rpmeats_l1_4_ti	-9.42371	2.13507	-4.41	<.0001
coff_l1_1	58.19719	5.12997	11.34	<.0001
coff_l1_1_ti	-10.14469	2.50228	-4.05	<.0001
coff_l1_2	42.08942	6.18390	6.81	<.0001
coff_l1_2_ti	-4.86430	3.25185	-1.50	0.1347
coff_l1_3	44.32385	7.07060	6.27	<.0001
coff_l1_3_ti	-7.51462	3.82930	-1.96	0.0497
coff_l1_4	23.29373	3.21521	7.24	<.0001
coff_l1_4_ti	-4.97223	1.73509	-2.87	0.0042
whgrn_l1_1	174.52408	4.86775	35.85	<.0001
whgrn_l1_1_ti	-36.34889	2.60684	-13.94	<.0001
whgrn_l1_2	147.39762	4.81824	30.59	<.0001
whgrn_l1_2_ti	-32.25288	2.59977	-12.41	<.0001
whgrn_l1_3	106.39186	4.99631	21.29	<.0001
whgrn_l1_3_ti	-21.20444	2.68556	-7.90	<.0001
whgrn_l1_4	79.00054	5.09440	15.51	<.0001
whgrn_l1_4_ti	-19.36498	2.73695	-7.08	<.0001
soda_l1_1	97.07439	7.71635	12.58	<.0001

soda_l1_1_ti	-0.37076	2.90954	-0.13	0.8986
soda_l1_2	95.91439	6.38738	15.02	<.0001
soda_l1_2_ti	-6.54021	2.37901	-2.75	0.0060
soda_l1_3	80.11463	6.39058	12.54	<.0001
soda_l1_3_ti	-7.48491	2.38097	-3.14	0.0017
soda_l1_4	48.03070	6.45975	7.44	<.0001
soda_l1_4_ti	-5.18394	2.43624	-2.13	0.0334
cal_l1_1	-931.55703	5.06343	-183.98	<.0001
cal_l1_1_ti	45.89098	2.82741	16.23	<.0001
cal_l1_2	-693.39991	4.63443	-149.62	<.0001
cal_l1_2_ti	32.33567	2.58809	12.49	<.0001
cal_l1_3	-519.21778	4.45315	-116.60	<.0001
cal_l1_3_ti	21.92525	2.48367	8.83	<.0001
cal_l1_4	-327.23584	4.31339	-75.87	<.0001
cal_l1_4_ti	11.96463	2.40532	4.97	<.0001
alc_l1_1	1.11307	3.98385	0.28	0.7799
alc_l1_1_ti	-10.14449	2.03400	-4.99	<.0001
alc_l1_2	8.90924	4.00856	2.22	0.0262
alc_l1_2_ti	-9.72137	2.15024	-4.52	<.0001
alc_l1_3	0.75663	4.84888	0.16	0.8760
alc_l1_3_ti	-4.51986	2.69774	-1.68	0.0939
cig_l2_1	4.54855	8.39233	0.54	0.5878
cig_l1_1	-6.66441	8.29193	-0.80	0.4216
cig_l2_2	7.57377	9.77128	0.78	0.4383
cig_l1_2	-11.72168	9.63778	-1.22	0.2239
cig_l2_3	3.71542	8.58740	0.43	0.6653
cig_l1_3	-11.52225	8.48070	-1.36	0.1743
cig_l2_4	7.60084	7.59818	1.00	0.3171
cig_l1_4	-13.33815	7.60724	-1.75	0.0795
mvi_l2	1.65117	1.36713	1.21	0.2271
mvi_l1	4.26037	1.39901	3.05	0.0023
act_l1_1	-24.08674	2.06522	-11.66	<.0001

act_l1_1_ti	6.28064	2.25193	2.79	0.0053
act_l1_2	-20.38349	2.36827	-8.61	<.0001
act_l1_2_ti	6.29505	2.74642	2.29	0.0219
act_l1_3	-11.80974	4.16608	-2.83	0.0046
act_l1_3_ti	0.22308	9.25503	0.02	0.9808
act_l1_4	-18.15648	2.68901	-6.75	<.0001
act_l1_4_ti	3.79940	2.55364	1.49	0.1368
act_l1_5	-8.10037	4.36099	-1.86	0.0632
act_l1_5_ti	-2.11620	15.62645	-0.14	0.8923
can_l2	-2.70381	5.78500	-0.47	0.6402
can_l1	1.63135	5.16454	0.32	0.7521
bmi_l2_1	30.34753	10.67415	2.84	0.0045
bmi_l1_1	19.78679	9.61758	2.06	0.0397
bmi_l2_2	28.52281	6.49567	4.39	<.0001
bmi_l1_2	-6.98021	5.95009	-1.17	0.2407
bmi_l2_3	25.74860	6.01439	4.28	<.0001
bmi_l1_3	-14.86689	5.53605	-2.69	0.0072
bmi_l2_4	21.54243	5.55859	3.88	0.0001
bmi_l1_4	-19.41753	5.13354	-3.78	0.0002
bmi_l2_5	8.20974	4.90149	1.67	0.0939
bmi_l1_5	-12.80882	4.58573	-2.79	0.0052
chl_l2	1.19521	2.82579	0.42	0.6723
chl_l1	-2.12066	2.69585	-0.79	0.4315
hbp_l2	5.33083	3.22968	1.65	0.0988
hbp_l1	-9.16318	3.14668	-2.91	0.0036
sta_l1	-16.48508	2.39312	-6.89	<.0001
sta_l1_ti	-2.51625	2.69604	-0.93	0.3507
asn_l2_1	-6.61839	2.01226	-3.29	0.0010
asn_l1_1	-2.05499	2.05700	-1.00	0.3178
asn_l2_2	-3.40982	1.98645	-1.72	0.0861
asn_l1_2	3.59505	1.97617	1.82	0.0689
angcbg_l2	7.92603	9.02314	0.88	0.3797

angcbg_l1	-0.82889	8.37504	-0.10	0.9212
str_l2	24.24871	17.40727	1.39	0.1636
str_l1	-9.67273	14.86798	-0.65	0.5153
mi_l2	7.98318	19.02996	0.42	0.6748
mi_l1	-12.64695	16.89311	-0.75	0.4541
mnp	31.12857	3.11870	9.98	<.0001
pmh	-11.99619	1.98670	-6.04	<.0001
ost	5.57053	3.51732	1.58	0.1133
rpmeats_1	-557.69162	2.50964	-222.22	<.0001
rpmeats_2	-444.89725	2.23533	-199.03	<.0001
rpmeats_3	-337.94057	2.17374	-155.46	<.0001
rpmeats_4	-223.40092	2.08397	-107.20	<.0001
coff_1	-83.04493	3.32066	-25.01	<.0001
coff_2	-72.43192	2.91769	-24.83	<.0001
coff_3	-70.59085	3.13470	-22.52	<.0001
coff_4	-40.71152	1.69323	-24.04	<.0001
whgrn_1	-397.97861	2.34775	-169.51	<.0001
whgrn_2	-328.94269	2.10731	-156.10	<.0001
whgrn_3	-246.30668	2.00395	-122.91	<.0001
whgrn_4	-162.55259	1.91747	-84.77	<.0001
soda_1	-239.33007	2.98577	-80.16	<.0001
soda_1_ti	59.76585	4.58243	13.04	<.0001
soda_2	-200.84054	2.51887	-79.73	<.0001
soda_2_ti	49.67929	3.79483	13.09	<.0001
soda_3	-147.06389	2.41467	-60.90	<.0001
soda_3_ti	31.57361	3.81317	8.28	<.0001
soda_4	-112.36259	2.31040	-48.63	<.0001
soda_4_ti	29.47921	3.90649	7.55	<.0001

(O) Logistic model to estimate the probability of drinking alcohol

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	3.3506	0.2868	136.4919	<.0001
fhx	-0.0428	0.0130	10.8659	0.0010
smkhx	0.2480	0.0123	404.4534	<.0001
ochx	0.0593	0.0113	27.6405	<.0001
employed_1	0.1103	0.0211	27.4103	<.0001
employed_2	0.0970	0.0333	8.4649	0.0036
employed_3	0.0343	0.0167	4.2421	0.0394
employed_4	0.1100	0.0222	24.5163	<.0001
employed_5	0.1034	0.0156	43.8908	<.0001
employed_6	0.0659	0.0236	7.7814	0.0053
employed_miss	-0.1072	0.0746	2.0634	0.1509
mar80	0.1222	0.0198	38.0179	<.0001
college	0.1115	0.0121	84.4828	<.0001
stress82	-0.0395	0.0125	9.9412	0.0016
stress82_miss	0.0779	0.0691	1.2703	0.2597
hhighsch	-0.1543	0.0142	118.4168	<.0001
hcollege	0.0548	0.0157	12.1209	0.0005
hgradsch	0.1098	0.0169	42.3544	<.0001
lbmi18_2	-0.0184	0.0132	1.9589	0.1616
lbmi18_3	-0.0464	0.0205	5.1162	0.0237
lbmi18_4	-0.1146	0.0480	5.6916	0.0170
baseage	-0.0289	0.0111	6.7539	0.0094
baseage_sq	-0.00003	0.000110	0.0598	0.8067
bmi80_1	0.2825	0.0738	14.6375	0.0001
bmi80_2	0.2760	0.0476	33.5834	<.0001
bmi80_3	0.2352	0.0451	27.2196	<.0001
bmi80_4	0.1501	0.0426	12.4211	0.0004
bmi80_5	0.0441	0.0410	1.1538	0.2828
act80_1	0.0333	0.0162	4.2389	0.0395
act80_2	0.0372	0.0191	3.7994	0.0513

act80_3	0.0567	0.0169	11.1932	0.0008
alc80_1	-1.0626	0.0184	3320.4055	<.0001
alc80_2	-0.0680	0.0190	12.7393	0.0004
alc80_3	0.0925	0.0237	15.1862	<.0001
rpmeats80_1	-0.0569	0.0302	3.5489	0.0596
rpmeats80_2	0.0870	0.0190	21.0754	<.0001
rpmeats80_3	0.0683	0.0162	17.8259	<.0001
rpmeats80_4	0.0130	0.0145	0.8057	0.3694
coff80_1	-0.0411	0.0153	7.2198	0.0072
coff80_2	-0.0288	0.0216	1.7849	0.1816
coff80_3	-0.0934	0.0335	7.7956	0.0052
whgrn80_1	-0.0164	0.0156	1.1040	0.2934
whgrn80_2	0.0242	0.0166	2.1452	0.1430
soda80_1	0.1119	0.0203	30.3379	<.0001
soda80_2	0.0809	0.0174	21.5677	<.0001
soda80_3	0.0674	0.0171	15.5261	<.0001
soda80_4	0.0934	0.0164	32.3691	<.0001
cig80_1	0.2512	0.0457	30.2533	<.0001
cig80_2	0.3739	0.0585	40.8145	<.0001
cig80_3	0.2710	0.0499	29.4915	<.0001
cig80_4	0.1488	0.0442	11.3494	0.0008
period_2	0.7838	0.0888	77.8349	<.0001
period_4	0.3024	0.0357	71.7497	<.0001
period_6	0.4463	0.0229	380.7528	<.0001
period_8	0.4093	0.0212	373.9550	<.0001
period_10	0.3238	0.0200	263.1008	<.0001
mnp_l2	0.0773	0.0242	10.2396	0.0014
mnp_l1	0.0477	0.0318	2.2543	0.1332
pmh_l2	0.0182	0.0171	1.1227	0.2893
pmh_l1	-0.0133	0.0197	0.4553	0.4998
ost_l2	0.0132	0.0345	0.1464	0.7020
ost_l1	-0.0554	0.0419	1.7470	0.1862

rpmeats_l1_1	0.0813	0.0528	2.3723	0.1235
rpmeats_l1_1_ti	0.0368	0.0275	1.7972	0.1800
rpmeats_l1_2	0.0480	0.0416	1.3319	0.2485
rpmeats_l1_2_ti	0.0512	0.0225	5.1802	0.0228
rpmeats_l1_3	-0.00088	0.0390	0.0005	0.9819
rpmeats_l1_3_ti	0.0596	0.0214	7.7725	0.0053
rpmeats_l1_4	-0.0791	0.0335	5.5770	0.0182
rpmeats_l1_4_ti	0.0696	0.0190	13.4525	0.0002
coff_l1_1	0.0747	0.0433	2.9792	0.0843
coff_l1_1_ti	-0.0388	0.0210	3.4098	0.0648
coff_l1_2	-0.00637	0.0527	0.0146	0.9039
coff_l1_2_ti	-0.00137	0.0275	0.0025	0.9603
coff_l1_3	0.0112	0.0613	0.0335	0.8547
coff_l1_3_ti	-0.0151	0.0329	0.2099	0.6468
coff_l1_4	0.0983	0.0294	11.1684	0.0008
coff_l1_4_ti	-0.0431	0.0157	7.5519	0.0060
whgrn_l1_1	-0.0273	0.0430	0.4047	0.5247
whgrn_l1_1_ti	-0.00839	0.0228	0.1350	0.7133
whgrn_l1_2	-0.00423	0.0428	0.0098	0.9213
whgrn_l1_2_ti	0.0225	0.0229	0.9656	0.3258
whgrn_l1_3	-0.0359	0.0443	0.6569	0.4176
whgrn_l1_3_ti	0.0367	0.0236	2.4146	0.1202
whgrn_l1_4	0.0323	0.0449	0.5165	0.4723
whgrn_l1_4_ti	-0.00906	0.0239	0.1433	0.7050
soda_l1_1	-0.0380	0.0664	0.3279	0.5669
soda_l1_1_ti	0.0103	0.0254	0.1638	0.6857
soda_l1_2	0.0447	0.0538	0.6904	0.4060
soda_l1_2_ti	-0.0177	0.0202	0.7613	0.3829
soda_l1_3	0.0168	0.0537	0.0984	0.7537
soda_l1_3_ti	-0.0161	0.0202	0.6322	0.4265
soda_l1_4	0.0209	0.0545	0.1471	0.7014
soda_l1_4_ti	-0.00261	0.0208	0.0158	0.9000

cal_l1_1	0.5970	0.0470	161.4992	<.0001
cal_l1_1_ti	-0.1211	0.0249	23.7054	<.0001
cal_l1_2	0.4394	0.0430	104.3237	<.0001
cal_l1_2_ti	-0.1091	0.0230	22.4776	<.0001
cal_l1_3	0.2805	0.0413	46.1234	<.0001
cal_l1_3_ti	-0.0633	0.0223	8.0551	0.0045
cal_l1_4	0.1735	0.0400	18.8061	<.0001
cal_l1_4_ti	-0.0390	0.0218	3.2079	0.0733
alc_l1_1	-4.2800	0.0600	5090.7811	<.0001
alc_l1_1_ti	0.1807	0.0319	32.0364	<.0001
alc_l1_2	-1.7937	0.0612	857.8727	<.0001
alc_l1_2_ti	0.1399	0.0328	18.1545	<.0001
alc_l1_3	-0.3697	0.0868	18.1384	<.0001
alc_l1_3_ti	0.0172	0.0469	0.1344	0.7139
cig_l2_1	0.2013	0.0737	7.4660	0.0063
cig_l1_1	0.2484	0.0744	11.1417	0.0008
cig_l2_2	0.1403	0.0869	2.6043	0.1066
cig_l1_2	0.2784	0.0874	10.1562	0.0014
cig_l2_3	0.00949	0.0753	0.0159	0.8997
cig_l1_3	0.2544	0.0761	11.1749	0.0008
cig_l2_4	0.0257	0.0670	0.1469	0.7015
cig_l1_4	0.1654	0.0687	5.7922	0.0161
mvi_l2	-0.0168	0.0117	2.0569	0.1515
mvi_l1	0.00505	0.0120	0.1786	0.6725
act_l1_1	-0.3074	0.0177	300.1143	<.0001
act_l1_1_ti	0.0864	0.0200	18.6847	<.0001
act_l1_2	-0.1270	0.0203	38.9961	<.0001
act_l1_2_ti	-0.0158	0.0244	0.4197	0.5171
act_l1_3	-0.0232	0.0359	0.4180	0.5179
act_l1_3_ti	0.0637	0.0818	0.6054	0.4365
act_l1_4	-0.0420	0.0233	3.2517	0.0713
act_l1_4_ti	-0.0152	0.0227	0.4438	0.5053

act_l1_5	0.0848	0.0385	4.8375	0.0278
act_l1_5_ti	-0.0729	0.1408	0.2684	0.6044
can_l2	-0.0178	0.0493	0.1298	0.7186
can_l1	-0.0209	0.0442	0.2236	0.6363
bmi_l2_1	0.1238	0.0897	1.9055	0.1675
bmi_l1_1	-0.3347	0.0812	16.9921	<.0001
bmi_l2_2	0.1177	0.0529	4.9507	0.0261
bmi_l1_2	-0.1004	0.0486	4.2734	0.0387
bmi_l2_3	0.1312	0.0485	7.3264	0.0068
bmi_l1_3	-0.0333	0.0447	0.5566	0.4556
bmi_l2_4	0.0968	0.0444	4.7495	0.0293
bmi_l1_4	-0.00635	0.0410	0.0239	0.8771
bmi_l2_5	0.0835	0.0390	4.5697	0.0325
bmi_l1_5	-0.0348	0.0365	0.9080	0.3407
chl_l2	0.0157	0.0239	0.4305	0.5118
chl_l1	-0.0263	0.0228	1.3215	0.2503
hbp_l2	-0.0273	0.0276	0.9800	0.3222
hbp_l1	-0.0770	0.0269	8.1694	0.0043
sta_l1	-0.0192	0.0200	0.9284	0.3353
sta_l1_ti	0.0465	0.0224	4.3263	0.0375
asn_l2_1	0.0284	0.0172	2.7309	0.0984
asn_l1_1	-0.0443	0.0175	6.4174	0.0113
asn_l2_2	0.0624	0.0170	13.4206	0.0002
asn_l1_2	0.0506	0.0169	8.9364	0.0028
angcbg_l2	-0.0321	0.0753	0.1811	0.6705
angcbg_l1	-0.0914	0.0700	1.7041	0.1917
str_l2	0.0315	0.1487	0.0450	0.8321
str_l1	-0.2738	0.1275	4.6139	0.0317
mi_l2	0.2589	0.1586	2.6638	0.1027
mi_l1	-0.2851	0.1414	4.0639	0.0438
mnp	0.0257	0.0268	0.9176	0.3381
pmh	0.0426	0.0170	6.2638	0.0123

ost	-0.0692	0.0297	5.4323	0.0198
rpmeats_1	-0.1135	0.0226	25.1745	<.0001
rpmeats_2	0.0577	0.0201	8.2217	0.0041
rpmeats_3	0.0767	0.0192	15.8663	<.0001
rpmeats_4	0.0420	0.0182	5.3203	0.0211
coff_1	-0.6014	0.0276	473.1421	<.0001
coff_2	-0.2857	0.0242	139.0668	<.0001
coff_3	-0.0815	0.0262	9.6743	0.0019
coff_4	-0.0963	0.0147	42.7146	<.0001
whgrn_1	0.1449	0.0207	48.9705	<.0001
whgrn_2	0.2225	0.0185	144.9385	<.0001
whgrn_3	0.1634	0.0173	89.3572	<.0001
whgrn_4	0.1166	0.0163	51.2177	<.0001
soda_1	0.0192	0.0255	0.5679	0.4511
soda_1_ti	-0.0109	0.0403	0.0731	0.7869
soda_2	0.1647	0.0212	60.2165	<.0001
soda_2_ti	-0.1464	0.0325	20.2745	<.0001
soda_3	0.1555	0.0202	59.0939	<.0001
soda_3_ti	-0.1341	0.0326	16.9261	<.0001
soda_4	0.1142	0.0193	35.0243	<.0001
soda_4_ti	-0.0762	0.0335	5.1762	0.0229
cal_1	-0.6714	0.0229	860.8539	<.0001
cal_2	-0.4143	0.0203	417.0299	<.0001
cal_3	-0.2826	0.0188	225.8476	<.0001
cal_4	-0.1372	0.0175	61.1775	<.0001

(P) Log-linear model to estimate the amount of alcohol intake among drinkers

Variable	Parameter estimate	Standard error	t value	P value
Intercept	2.80745	0.08854	31.71	<.0001
fhx	-0.02623	0.00414	-6.34	<.0001
smkhx	0.07925	0.00373	21.27	<.0001

ochx	0.01699	0.00346	4.91	<.0001
employed_1	0.01389	0.00635	2.19	0.0287
employed_2	0.01635	0.01004	1.63	0.1035
employed_3	-0.01523	0.00531	-2.87	0.0041
employed_4	-0.00936	0.00662	-1.41	0.1572
employed_5	-0.01211	0.00482	-2.51	0.0120
employed_6	0.00437	0.00697	0.63	0.5314
employed_miss	-0.00254	0.02280	-0.11	0.9114
mar80	0.03540	0.00605	5.85	<.0001
college	0.01567	0.00358	4.38	<.0001
stress82	-0.01551	0.00382	-4.05	<.0001
stress82_miss	-0.02111	0.02117	-1.00	0.3186
hhighsch	-0.01610	0.00455	-3.54	0.0004
hcollege	0.02021	0.00474	4.27	<.0001
hgradsch	0.04564	0.00496	9.20	<.0001
lbmi18_2	0.01889	0.00409	4.62	<.0001
lbmi18_3	0.00868	0.00681	1.27	0.2024
lbmi18_4	0.01065	0.01750	0.61	0.5428
baseage	0.00599	0.00345	1.74	0.0823
baseage_sq	-0.00010305	0.00003418	-3.01	0.0026
bmi80_1	0.02468	0.02511	0.98	0.3257
bmi80_2	0.01343	0.01805	0.74	0.4568
bmi80_3	0.00040490	0.01737	0.02	0.9814
bmi80_4	-0.02155	0.01670	-1.29	0.1970
bmi80_5	-0.00426	0.01637	-0.26	0.7946
act80_1	-0.00193	0.00510	-0.38	0.7048
act80_2	-0.00647	0.00594	-1.09	0.2759
act80_3	-0.00959	0.00520	-1.85	0.0649
alc80_1	-0.54971	0.00547	-100.52	<.0001
alc80_2	-0.42085	0.00468	-89.91	<.0001
alc80_3	-0.26028	0.00498	-52.23	<.0001
rpmeats80_1	0.07244	0.01005	7.21	<.0001

rpmeats80_2	0.03282	0.00585	5.61	<.0001
rpmeats80_3	0.01690	0.00488	3.47	0.0005
rpmeats80_4	0.01297	0.00446	2.91	0.0036
coff80_1	-0.01371	0.00501	-2.74	0.0062
coff80_2	-0.02504	0.00691	-3.62	0.0003
coff80_3	-0.01049	0.01066	-0.98	0.3247
whgrn80_1	-0.00557	0.00486	-1.14	0.2522
whgrn80_2	0.00009899	0.00512	0.02	0.9846
soda80_1	0.02629	0.00620	4.24	<.0001
soda80_2	-0.00432	0.00554	-0.78	0.4358
soda80_3	0.00071878	0.00542	0.13	0.8944
soda80_4	-0.00189	0.00516	-0.37	0.7137
cig80_1	-0.09790	0.01394	-7.02	<.0001
cig80_2	-0.08491	0.01675	-5.07	<.0001
cig80_3	-0.07977	0.01504	-5.30	<.0001
cig80_4	-0.06132	0.01343	-4.57	<.0001
period_2	-0.13557	0.01984	-6.83	<.0001
period_4	-0.24114	0.01122	-21.48	<.0001
period_6	-0.17999	0.00725	-24.81	<.0001
period_8	-0.15545	0.00673	-23.08	<.0001
period_10	0.05149	0.00637	8.09	<.0001
mnp_l2	0.01223	0.00724	1.69	0.0911
mnp_l1	0.01175	0.00944	1.24	0.2133
pmh_l2	0.00611	0.00523	1.17	0.2423
pmh_l1	-0.03169	0.00593	-5.34	<.0001
ost_l2	-0.00597	0.01129	-0.53	0.5968
ost_l1	-0.01312	0.01359	-0.97	0.3343
rpmeats_l1_1	-0.02724	0.01582	-1.72	0.0851
rpmeats_l1_1_ti	0.02707	0.00831	3.26	0.0011
rpmeats_l1_2	-0.01824	0.01168	-1.56	0.1184
rpmeats_l1_2_ti	0.01452	0.00642	2.26	0.0237
rpmeats_l1_3	-0.01855	0.01090	-1.70	0.0888

rpmeats_l1_3_ti	0.00859	0.00610	1.41	0.1595
rpmeats_l1_4	-0.00196	0.00935	-0.21	0.8338
rpmeats_l1_4_ti	-0.00012523	0.00544	-0.02	0.9816
coff_l1_1	0.03857	0.01433	2.69	0.0071
coff_l1_1_ti	-0.00746	0.00718	-1.04	0.2988
coff_l1_2	0.05492	0.01650	3.33	0.0009
coff_l1_2_ti	-0.02418	0.00875	-2.76	0.0057
coff_l1_3	0.03402	0.01811	1.88	0.0603
coff_l1_3_ti	-0.01811	0.00989	-1.83	0.0670
coff_l1_4	0.01194	0.00787	1.52	0.1292
coff_l1_4_ti	-0.00555	0.00427	-1.30	0.1943
whgrn_l1_1	-0.00468	0.01258	-0.37	0.7101
whgrn_l1_1_ti	0.00726	0.00678	1.07	0.2839
whgrn_l1_2	-0.00086036	0.01232	-0.07	0.9443
whgrn_l1_2_ti	0.00338	0.00668	0.51	0.6125
whgrn_l1_3	-0.02580	0.01276	-2.02	0.0433
whgrn_l1_3_ti	0.01360	0.00690	1.97	0.0488
whgrn_l1_4	-0.02271	0.01309	-1.74	0.0826
whgrn_l1_4_ti	0.00986	0.00708	1.39	0.1634
soda_l1_1	0.09851	0.02045	4.82	<.0001
soda_l1_1_ti	-0.03449	0.00762	-4.53	<.0001
soda_l1_2	0.04275	0.01698	2.52	0.0118
soda_l1_2_ti	-0.02005	0.00628	-3.20	0.0014
soda_l1_3	0.04253	0.01690	2.52	0.0119
soda_l1_3_ti	-0.02161	0.00625	-3.46	0.0005
soda_l1_4	0.02922	0.01701	1.72	0.0858
soda_l1_4_ti	-0.01345	0.00636	-2.12	0.0344
cal_l1_1	0.25666	0.01361	18.85	<.0001
cal_l1_1_ti	-0.01730	0.00730	-2.37	0.0178
cal_l1_2	0.16744	0.01219	13.74	<.0001
cal_l1_2_ti	-0.00107	0.00661	-0.16	0.8715
cal_l1_3	0.11366	0.01150	9.89	<.0001

cal_l1_3_ti	0.00137	0.00629	0.22	0.8279
cal_l1_4	0.07308	0.01093	6.68	<.0001
cal_l1_4_ti	-0.00219	0.00606	-0.36	0.7179
alc_l1_1	-1.93197	0.01192	-162.02	<.0001
alc_l1_1_ti	0.08900	0.00627	14.19	<.0001
alc_l1_2	-1.46082	0.00871	-167.63	<.0001
alc_l1_2_ti	0.06261	0.00465	13.46	<.0001
alc_l1_3	-0.74884	0.01014	-73.87	<.0001
alc_l1_3_ti	0.03688	0.00564	6.54	<.0001
cig_l2_1	0.00415	0.02155	0.19	0.8471
cig_l1_1	-0.07006	0.02113	-3.32	0.0009
cig_l2_2	-0.03109	0.02465	-1.26	0.2072
cig_l1_2	-0.05598	0.02416	-2.32	0.0205
cig_l2_3	-0.02015	0.02202	-0.92	0.3601
cig_l1_3	-0.11114	0.02156	-5.15	<.0001
cig_l2_4	-0.02590	0.01958	-1.32	0.1860
cig_l1_4	-0.05411	0.01943	-2.79	0.0054
mvi_l2	0.00469	0.00357	1.31	0.1887
mvi_l1	-0.00635	0.00365	-1.74	0.0821
act_l1_1	-0.04709	0.00528	-8.91	<.0001
act_l1_1_ti	0.02225	0.00571	3.90	<.0001
act_l1_2	-0.03212	0.00602	-5.33	<.0001
act_l1_2_ti	0.01424	0.00694	2.05	0.0401
act_l1_3	-0.01361	0.01037	-1.31	0.1892
act_l1_3_ti	-0.02062	0.02309	-0.89	0.3719
act_l1_4	-0.00568	0.00674	-0.84	0.3994
act_l1_4_ti	0.00512	0.00640	0.80	0.4237
act_l1_5	-0.00754	0.01063	-0.71	0.4785
act_l1_5_ti	0.00839	0.04034	0.21	0.8353
can_l2	0.02287	0.01542	1.48	0.1380
can_l1	-0.03811	0.01371	-2.78	0.0055
bmi_l2_1	0.09635	0.02992	3.22	0.0013

bmi_l1_1	0.03698	0.02710	1.36	0.1725
bmi_l2_2	0.08476	0.01870	4.53	<.0001
bmi_l1_2	0.08543	0.01701	5.02	<.0001
bmi_l2_3	0.08171	0.01758	4.65	<.0001
bmi_l1_3	0.07457	0.01607	4.64	<.0001
bmi_l2_4	0.06223	0.01650	3.77	0.0002
bmi_l1_4	0.05848	0.01514	3.86	0.0001
bmi_l2_5	0.02480	0.01482	1.67	0.0942
bmi_l1_5	0.03185	0.01370	2.32	0.0201
chl_l2	-0.00259	0.00747	-0.35	0.7294
chl_l1	0.00613	0.00710	0.86	0.3878
hbp_l2	-0.00919	0.00854	-1.08	0.2821
hbp_l1	0.01746	0.00828	2.11	0.0350
sta_l1	-0.01695	0.00654	-2.59	0.0096
sta_l1_ti	0.00343	0.00711	0.48	0.6296
asn_l2_1	-0.00618	0.00532	-1.16	0.2459
asn_l1_1	-0.03488	0.00547	-6.38	<.0001
asn_l2_2	-0.00943	0.00520	-1.81	0.0696
asn_l1_2	-0.02554	0.00519	-4.93	<.0001
angcbg_l2	0.00693	0.02549	0.27	0.7858
angcbg_l1	-0.04430	0.02353	-1.88	0.0597
str_l2	0.09787	0.05205	1.88	0.0601
str_l1	-0.12360	0.04441	-2.78	0.0054
mi_l2	0.04847	0.05514	0.88	0.3794
mi_l1	-0.03764	0.04887	-0.77	0.4412
mnp	0.00323	0.00795	0.41	0.6850
pmh	-0.00146	0.00513	-0.28	0.7762
ost	-0.02324	0.00952	-2.44	0.0146
rpmeats_1	-0.00396	0.00711	-0.56	0.5772
rpmeats_2	0.01742	0.00613	2.84	0.0045
rpmeats_3	0.02221	0.00581	3.83	0.0001
rpmeats_4	0.01147	0.00547	2.10	0.0359

coff_1	-0.09137	0.00950	-9.62	<.0001
coff_2	-0.06874	0.00794	-8.66	<.0001
coff_3	-0.06304	0.00820	-7.69	<.0001
coff_4	0.00382	0.00423	0.90	0.3658
whgrn_1	0.13624	0.00651	20.93	<.0001
whgrn_2	0.10501	0.00575	18.27	<.0001
whgrn_3	0.07712	0.00541	14.26	<.0001
whgrn_4	0.03719	0.00515	7.22	<.0001
soda_1	0.07570	0.00810	9.35	<.0001
soda_1_ti	-0.06595	0.01195	-5.52	<.0001
soda_2	0.00956	0.00679	1.41	0.1592
soda_2_ti	-0.02184	0.00995	-2.19	0.0282
soda_3	0.01899	0.00645	2.94	0.0033
soda_3_ti	-0.03328	0.00996	-3.34	0.0008
soda_4	0.01691	0.00616	2.75	0.0060
soda_4_ti	-0.01954	0.01016	-1.92	0.0545
cal_1	-0.44503	0.00724	-61.50	<.0001
cal_2	-0.29526	0.00625	-47.21	<.0001
cal_3	-0.19904	0.00568	-35.04	<.0001
cal_4	-0.10714	0.00519	-20.63	<.0001

(Q) Logistic model to estimate the probability of starting smoking among non-smokers

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-2.1362	0.8964	5.6791	0.0172
fhx	0.0688	0.0413	2.7794	0.0955
smkhx	2.5343	0.0984	663.1130	<.0001
ochx	0.0335	0.0353	0.9012	0.3425
employed_1	0.0788	0.0648	1.4756	0.2245
employed_2	0.1090	0.0941	1.3418	0.2467
employed_3	0.0331	0.0536	0.3809	0.5371
employed_4	0.1121	0.0679	2.7291	0.0985
employed_5	-0.00776	0.0504	0.0237	0.8776
employed_6	-0.0838	0.0762	1.2079	0.2718
employed_miss	-0.0267	0.2338	0.0131	0.9089
mar80	-0.0991	0.0541	3.3593	0.0668
college	-0.0445	0.0376	1.3990	0.2369
stress82	0.0268	0.0409	0.4312	0.5114
stress82_miss	0.0157	0.2204	0.0051	0.9430
hhighsch	-0.0594	0.0435	1.8692	0.1716
hcollege	-0.1027	0.0475	4.6756	0.0306
hgradsch	-0.0467	0.0512	0.8331	0.3614
lbmi18_2	0.0450	0.0401	1.2570	0.2622
lbmi18_3	-0.1184	0.0634	3.4843	0.0620
lbmi18_4	0.0827	0.1333	0.3848	0.5351
baseage	-0.0687	0.0352	3.8076	0.0510
baseage_sq	0.000198	0.000353	0.3132	0.5757
bmi80_1	-0.7481	0.2288	10.6924	0.0011
bmi80_2	-0.5356	0.1687	10.0768	0.0015
bmi80_3	-0.4701	0.1624	8.3805	0.0038
bmi80_4	-0.3812	0.1560	5.9694	0.0146
bmi80_5	-0.1014	0.1508	0.4522	0.5013
act80_1	-0.1463	0.0472	9.5955	0.0020

act80_2	-0.1044	0.0557	3.5194	0.0607
act80_3	-0.0804	0.0493	2.6558	0.1032
alc80_1	0.0271	0.0535	0.2573	0.6120
alc80_2	0.0390	0.0495	0.6216	0.4304
alc80_3	-0.0181	0.0548	0.1088	0.7415
rpmeats80_1	0.2754	0.1016	7.3474	0.0067
rpmeats80_2	-0.0139	0.0614	0.0514	0.8206
rpmeats80_3	0.0838	0.0480	3.0400	0.0812
rpmeats80_4	0.0189	0.0446	0.1794	0.6719
coff80_1	-0.0322	0.0517	0.3867	0.5341
coff80_2	0.0548	0.0732	0.5606	0.4540
coff80_3	-0.0733	0.1117	0.4309	0.5115
whgrn80_1	-0.1359	0.0503	7.2896	0.0069
whgrn80_2	-0.1001	0.0546	3.3631	0.0667
soda80_1	0.0160	0.0605	0.0701	0.7911
soda80_2	0.0194	0.0535	0.1310	0.7174
soda80_3	-0.0237	0.0526	0.2027	0.6526
soda80_4	-0.0124	0.0492	0.0635	0.8011
cig80_1	-1.7627	0.0849	431.3092	<.0001
cig80_2	-0.7447	0.1014	53.9555	<.0001
cig80_3	-0.4317	0.0866	24.8428	<.0001
cig80_4	-0.1916	0.0771	6.1848	0.0129
period_2	1.3593	0.2405	31.9457	<.0001
period_3	1.0678	0.2025	27.8189	<.0001
period_4	0.8795	0.1135	59.9978	<.0001
period_5	0.9072	0.2051	19.5690	<.0001
period_6	0.8508	0.0993	73.4649	<.0001
period_7	0.9101	0.1863	23.8659	<.0001
period_8	0.2492	0.1041	5.7308	0.0167
period_9	0.4852	0.1887	6.6151	0.0101
period_10	0.3347	0.0985	11.5521	0.0007
period_11	0.3112	0.1899	2.6846	0.1013

mnp_l2	0.0908	0.0764	1.4148	0.2343
mnp_l1	-0.2372	0.0908	6.8287	0.0090
pmh_l2	0.1050	0.0550	3.6503	0.0561
pmh_l1	-0.1621	0.0600	7.3121	0.0068
ost_l2	-0.2034	0.1063	3.6582	0.0558
ost_l1	0.3371	0.1356	6.1758	0.0130
rpmeats_l1_1	0.1098	0.1981	0.3072	0.5794
rpmeats_l1_1_ti	-0.0922	0.1061	0.7555	0.3847
rpmeats_l1_2	0.0703	0.1533	0.2102	0.6466
rpmeats_l1_2_ti	-0.0554	0.0853	0.4210	0.5165
rpmeats_l1_3	0.2699	0.1378	3.8378	0.0501
rpmeats_l1_3_ti	-0.1122	0.0782	2.0621	0.1510
rpmeats_l1_4	0.2926	0.1183	6.1195	0.0134
rpmeats_l1_4_ti	-0.1512	0.0698	4.6954	0.0302
coff_l1_1	0.2360	0.1825	1.6733	0.1958
coff_l1_1_ti	-0.1592	0.0972	2.6829	0.1014
coff_l1_2	0.1198	0.2157	0.3084	0.5787
coff_l1_2_ti	-0.0279	0.1189	0.0552	0.8142
coff_l1_3	0.0366	0.2626	0.0194	0.8893
coff_l1_3_ti	-0.0112	0.1455	0.0059	0.9387
coff_l1_4	0.0917	0.0996	0.8474	0.3573
coff_l1_4_ti	-0.00816	0.0549	0.0221	0.8818
whgrn_l1_1	-0.1427	0.1585	0.8101	0.3681
whgrn_l1_1_ti	0.0789	0.0873	0.8178	0.3658
whgrn_l1_2	-0.0807	0.1591	0.2573	0.6120
whgrn_l1_2_ti	0.1000	0.0880	1.2906	0.2559
whgrn_l1_3	-0.0642	0.1656	0.1502	0.6983
whgrn_l1_3_ti	0.0617	0.0919	0.4501	0.5023
whgrn_l1_4	0.0327	0.1710	0.0367	0.8481
whgrn_l1_4_ti	-0.0767	0.0960	0.6381	0.4244
soda_l1_1	0.2371	0.1526	2.4136	0.1203
soda_l1_1_ti	-0.1188	0.0500	5.6385	0.0176

soda_l1_2	-0.1387	0.1217	1.2978	0.2546
soda_l1_2_ti	0.0302	0.0392	0.5953	0.4404
soda_l1_3	-0.0151	0.1171	0.0166	0.8975
soda_l1_3_ti	0.0218	0.0390	0.3141	0.5752
soda_l1_4	0.00119	0.1122	0.0001	0.9915
soda_l1_4_ti	-0.0197	0.0394	0.2491	0.6177
cal_l1_1	-0.1362	0.1699	0.6430	0.4226
cal_l1_1_ti	0.1135	0.0925	1.5054	0.2198
cal_l1_2	-0.0414	0.1528	0.0733	0.7866
cal_l1_2_ti	0.0811	0.0847	0.9184	0.3379
cal_l1_3	-0.1993	0.1502	1.7615	0.1844
cal_l1_3_ti	0.1543	0.0840	3.3797	0.0660
cal_l1_4	-0.1361	0.1452	0.8784	0.3486
cal_l1_4_ti	0.0996	0.0824	1.4619	0.2266
alc_l1_1	-0.0564	0.1396	0.1631	0.6863
alc_l1_1_ti	0.0849	0.0665	1.6325	0.2014
alc_l1_2	-0.1092	0.1296	0.7107	0.3992
alc_l1_2_ti	0.1287	0.0664	3.7584	0.0525
alc_l1_3	-0.0774	0.1457	0.2818	0.5955
alc_l1_3_ti	0.0688	0.0815	0.7129	0.3985
cig_l2_1	-1.8134	0.1246	211.9345	<.0001
cig_l2_2	0.3054	0.1365	5.0057	0.0253
cig_l2_3	0.4628	0.1281	13.0539	0.0003
cig_l2_4	0.3076	0.1224	6.3143	0.0120
mvi_l2	-0.0221	0.0351	0.3983	0.5280
mvi_l1	0.00397	0.0351	0.0128	0.9100
act_l1_1	0.1738	0.0561	9.5942	0.0020
act_l1_1_ti	-0.1344	0.0544	6.1031	0.0135
act_l1_2	0.0904	0.0645	1.9609	0.1614
act_l1_2_ti	-0.0242	0.0639	0.1434	0.7049
act_l1_3	0.00787	0.1127	0.0049	0.9443
act_l1_3_ti	0.0206	0.1404	0.0214	0.8836

act_l1_4	0.0806	0.0729	1.2250	0.2684
act_l1_4_ti	-0.0271	0.0650	0.1736	0.6769
act_l1_5	0.1113	0.1162	0.9174	0.3382
act_l1_5_ti	-0.0601	0.1468	0.1676	0.6823
can_l2	0.1843	0.1380	1.7837	0.1817
can_l1	-0.1778	0.1138	2.4406	0.1182
bmi_l2_1	-0.5373	0.2566	4.3836	0.0363
bmi_l1_1	1.4934	0.2412	38.3422	<.0001
bmi_l2_2	-0.3201	0.1733	3.4095	0.0648
bmi_l1_2	1.1467	0.1540	55.4768	<.0001
bmi_l2_3	-0.0979	0.1628	0.3613	0.5478
bmi_l1_3	0.8512	0.1452	34.3669	<.0001
bmi_l2_4	-0.0299	0.1527	0.0382	0.8450
bmi_l1_4	0.5392	0.1364	15.6275	<.0001
bmi_l2_5	0.00999	0.1362	0.0054	0.9415
bmi_l1_5	0.2724	0.1236	4.8570	0.0275
chl_l2	0.0230	0.0701	0.1080	0.7425
chl_l1	0.0321	0.0658	0.2379	0.6258
hbp_l2	0.0662	0.0836	0.6276	0.4282
hbp_l1	-0.0910	0.0802	1.2878	0.2565
sta_l1	0.00617	0.0709	0.0076	0.9307
sta_l1_ti	0.0385	0.0734	0.2748	0.6002
asn_l2_1	-0.1198	0.0583	4.2219	0.0399
asn_l1_1	0.0117	0.0570	0.0420	0.8375
asn_l2_2	-0.1084	0.0556	3.8083	0.0510
asn_l1_2	0.0538	0.0548	0.9619	0.3267
angcbg_l2	0.4238	0.1813	5.4647	0.0194
angcbg_l1	-0.2175	0.1589	1.8737	0.1711
str_l2	0.3708	0.3084	1.4454	0.2293
str_l1	0.1291	0.2436	0.2808	0.5962
mi_l2	0.8389	0.3208	6.8402	0.0089
mi_l1	-0.6026	0.2647	5.1814	0.0228

mnp	0.3470	0.0713	23.6818	<.0001
pmh	-0.0115	0.0503	0.0518	0.8199
ost	-0.0985	0.1040	0.8966	0.3437
rpmeats_1	-0.1980	0.0953	4.3208	0.0377
rpmeats_1_ti	-0.1201	0.1072	1.2549	0.2626
rpmeats_2	-0.1015	0.0810	1.5685	0.2104
rpmeats_2_ti	-0.0452	0.0871	0.2690	0.6040
rpmeats_3	-0.0966	0.0770	1.5722	0.2099
rpmeats_3_ti	-0.1459	0.0810	3.2461	0.0716
rpmeats_4	0.0141	0.0708	0.0396	0.8423
rpmeats_4_ti	-0.1556	0.0733	4.5047	0.0338
coff_1	-0.4101	0.1328	9.5411	0.0020
coff_1_ti	-0.0556	0.0967	0.3305	0.5654
coff_2	-0.1859	0.1124	2.7320	0.0984
coff_2_ti	-0.1024	0.1215	0.7099	0.3995
coff_3	-0.1882	0.1215	2.3996	0.1214
coff_3_ti	0.00851	0.1495	0.0032	0.9546
coff_4	-0.0477	0.0552	0.7464	0.3876
coff_4_ti	-0.0285	0.0558	0.2610	0.6094
whgrn_1	0.4545	0.0865	27.6133	<.0001
whgrn_1_ti	0.0581	0.0888	0.4274	0.5133
whgrn_2	0.3738	0.0809	21.3535	<.0001
whgrn_2_ti	0.00478	0.0907	0.0028	0.9579
whgrn_3	0.2613	0.0791	10.8990	0.0010
whgrn_3_ti	0.0213	0.0947	0.0506	0.8220
whgrn_4	0.2361	0.0782	9.1194	0.0025
whgrn_4_ti	-0.0390	0.0984	0.1572	0.6918
soda_1	-0.2705	0.1105	5.9957	0.0143
soda_1_ti	-0.0181	0.0505	0.1284	0.7200
soda_2	-0.0675	0.0877	0.5931	0.4412
soda_2_ti	0.0229	0.0395	0.3362	0.5620
soda_3	-0.1039	0.0837	1.5388	0.2148

soda_3_ti	0.00899	0.0395	0.0519	0.8199
soda_4	-0.0618	0.0772	0.6421	0.4230
soda_4_ti	-0.0138	0.0401	0.1188	0.7304
cal_1	0.0961	0.0951	1.0220	0.3120
cal_1_ti	0.1224	0.0930	1.7329	0.1880
cal_2	-0.0616	0.0850	0.5242	0.4691
cal_2_ti	0.0609	0.0865	0.4959	0.4813
cal_3	-0.0939	0.0790	1.4113	0.2348
cal_3_ti	0.2255	0.0855	6.9543	0.0084
cal_4	-0.1058	0.0745	2.0157	0.1557
cal_4_ti	0.1470	0.0850	2.9856	0.0840
alc_1	-0.2107	0.0906	5.4073	0.0201
alc_1_ti	0.00433	0.0659	0.0043	0.9476
alc_2	-0.1843	0.0818	5.0739	0.0243
alc_2_ti	0.0598	0.0666	0.8054	0.3695
alc_3	-0.0270	0.0816	0.1093	0.7409
alc_3_ti	-0.0115	0.0829	0.0192	0.8898

(R) Logistic model to estimate the probability of continuing smoking among smokers

Parameter	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	3.5455	0.5651	39.3597	<.0001
fhx	0.00245	0.0251	0.0096	0.9221
smkhx	0.1822	0.1122	2.6361	0.1045
ochx	-0.0770	0.0211	13.3372	0.0003
employed_1	0.00616	0.0393	0.0246	0.8754
employed_2	-0.0697	0.0585	1.4157	0.2341
employed_3	0.0142	0.0320	0.1965	0.6576
employed_4	-0.0833	0.0426	3.8251	0.0505
employed_5	-0.0133	0.0299	0.1983	0.6561
employed_6	0.0247	0.0451	0.3006	0.5835
employed_miss	0.0345	0.1384	0.0620	0.8034
mar80	0.00419	0.0320	0.0171	0.8961
college	-0.0704	0.0231	9.2983	0.0023
stress82	0.0280	0.0247	1.2874	0.2565
stress82_miss	0.0390	0.1303	0.0894	0.7650
hhighsch	-0.1027	0.0260	15.6555	<.0001
hcollege	-0.1249	0.0286	19.0082	<.0001
hgradsch	-0.1549	0.0317	23.8902	<.0001
lbmi18_2	0.000484	0.0243	0.0004	0.9841
lbmi18_3	-0.00983	0.0356	0.0763	0.7823
lbmi18_4	-0.00024	0.0756	0.0000	0.9975
baseage	-0.0350	0.0216	2.6195	0.1056
baseage_sq	0.000182	0.000213	0.7301	0.3928
bmi80_1	0.1742	0.1383	1.5872	0.2077
bmi80_2	-0.0172	0.1093	0.0247	0.8752
bmi80_3	-0.0359	0.1057	0.1154	0.7341
bmi80_4	0.00981	0.1019	0.0093	0.9233
bmi80_5	-0.0888	0.0979	0.8218	0.3647
act80_1	-0.0983	0.0289	11.5349	0.0007

act80_2	-0.0658	0.0345	3.6403	0.0564
act80_3	-0.0351	0.0307	1.3058	0.2532
alc80_1	0.0242	0.0328	0.5432	0.4611
alc80_2	-0.0205	0.0308	0.4457	0.5044
alc80_3	-0.1063	0.0339	9.8155	0.0017
rpmeats80_1	-0.0781	0.0671	1.3520	0.2449
rpmeats80_2	0.0638	0.0372	2.9432	0.0862
rpmeats80_3	-0.0500	0.0295	2.8727	0.0901
rpmeats80_4	0.00335	0.0268	0.0156	0.9007
coff80_1	0.0216	0.0322	0.4507	0.5020
coff80_2	-0.0132	0.0477	0.0765	0.7821
coff80_3	-0.0507	0.0665	0.5813	0.4458
whgrn80_1	-0.0193	0.0310	0.3869	0.5339
whgrn80_2	-0.0155	0.0337	0.2124	0.6449
soda80_1	0.0383	0.0365	1.0976	0.2948
soda80_2	0.0224	0.0332	0.4549	0.5000
soda80_3	-0.0110	0.0326	0.1127	0.7371
soda80_4	-0.0348	0.0303	1.3199	0.2506
cig80_1	-0.5481	0.0567	93.3824	<.0001
cig80_2	-0.1640	0.0632	6.7247	0.0095
cig80_3	0.0267	0.0510	0.2743	0.6005
cig80_4	0.0657	0.0433	2.3050	0.1290
period_2	0.000288	0.1409	0.0000	0.9984
period_3	0.0384	0.1245	0.0950	0.7579
period_4	0.00928	0.0706	0.0173	0.8954
period_5	-0.00919	0.1263	0.0053	0.9420
period_6	0.0860	0.0649	1.7538	0.1854
period_7	0.2740	0.1160	5.5799	0.0182
period_8	-0.1274	0.0630	4.0919	0.0431
period_9	-0.0412	0.1167	0.1243	0.7244
period_10	0.0417	0.0664	0.3941	0.5301
period_11	0.1212	0.1194	1.0298	0.3102

mnp_l2	-0.00666	0.0419	0.0252	0.8738
mnp_l1	-0.3008	0.0583	26.6489	<.0001
pmh_l2	-0.0390	0.0354	1.2155	0.2702
pmh_l1	0.0725	0.0393	3.4010	0.0652
ost_l2	-0.0192	0.0712	0.0728	0.7872
ost_l1	0.2421	0.0814	8.8484	0.0029
rpmeats_l1_1	0.0708	0.1085	0.4264	0.5138
rpmeats_l1_1_ti	0.0719	0.0598	1.4437	0.2295
rpmeats_l1_2	-0.0380	0.0791	0.2310	0.6308
rpmeats_l1_2_ti	0.0905	0.0459	3.8861	0.0487
rpmeats_l1_3	-0.0167	0.0736	0.0515	0.8204
rpmeats_l1_3_ti	0.0761	0.0434	3.0727	0.0796
rpmeats_l1_4	-0.0413	0.0628	0.4324	0.5108
rpmeats_l1_4_ti	0.0510	0.0383	1.7770	0.1825
coff_l1_1	0.2627	0.1157	5.1563	0.0232
coff_l1_1_ti	-0.00957	0.0582	0.0271	0.8693
coff_l1_2	0.2111	0.1287	2.6920	0.1009
coff_l1_2_ti	-0.0515	0.0727	0.5022	0.4785
coff_l1_3	0.1696	0.1454	1.3608	0.2434
coff_l1_3_ti	-0.0355	0.0852	0.1735	0.6770
coff_l1_4	0.0266	0.0525	0.2573	0.6120
coff_l1_4_ti	-0.00352	0.0297	0.0140	0.9058
whgrn_l1_1	-0.0311	0.0878	0.1257	0.7230
whgrn_l1_1_ti	-0.0481	0.0497	0.9381	0.3328
whgrn_l1_2	-0.0367	0.0880	0.1737	0.6769
whgrn_l1_2_ti	-0.0613	0.0505	1.4739	0.2247
whgrn_l1_3	0.00335	0.0930	0.0013	0.9713
whgrn_l1_3_ti	-0.0106	0.0535	0.0393	0.8430
whgrn_l1_4	-0.0719	0.0966	0.5534	0.4569
whgrn_l1_4_ti	0.0230	0.0559	0.1698	0.6803
soda_l1_1	0.1308	0.0909	2.0708	0.1501
soda_l1_1_ti	0.000156	0.0275	0.0000	0.9955

soda_l1_2	0.0864	0.0753	1.3162	0.2513
soda_l1_2_ti	-0.0257	0.0231	1.2387	0.2657
soda_l1_3	0.0482	0.0738	0.4267	0.5136
soda_l1_3_ti	-0.00205	0.0236	0.0075	0.9308
soda_l1_4	0.0816	0.0698	1.3661	0.2425
soda_l1_4_ti	-0.0153	0.0235	0.4269	0.5135
cal_l1_1	-0.0735	0.0919	0.6404	0.4236
cal_l1_1_ti	-0.0839	0.0513	2.6731	0.1021
cal_l1_2	-0.0950	0.0827	1.3197	0.2506
cal_l1_2_ti	-0.0207	0.0474	0.1904	0.6626
cal_l1_3	-0.1307	0.0794	2.7100	0.0997
cal_l1_3_ti	0.00246	0.0461	0.0028	0.9576
cal_l1_4	-0.0343	0.0769	0.1988	0.6557
cal_l1_4_ti	-0.0273	0.0454	0.3614	0.5477
alc_l1_1	0.0904	0.0769	1.3794	0.2402
alc_l1_1_ti	-0.00132	0.0359	0.0014	0.9706
alc_l1_2	0.0445	0.0713	0.3904	0.5321
alc_l1_2_ti	0.00383	0.0369	0.0108	0.9173
alc_l1_3	-0.0747	0.0795	0.8831	0.3474
alc_l1_3_ti	0.00381	0.0459	0.0069	0.9338
cig_l2_1	-0.9683	0.0680	203.0330	<.0001
cig_l2_2	-0.3670	0.0723	25.7331	<.0001
cig_l1_2	-0.9176	0.0667	189.2240	<.0001
cig_l2_3	-0.2395	0.0644	13.8410	0.0002
cig_l1_3	-0.4283	0.0616	48.3611	<.0001
cig_l2_4	-0.1153	0.0575	4.0229	0.0449
cig_l1_4	-0.1663	0.0562	8.7562	0.0031
mvi_l2	0.00493	0.0210	0.0552	0.8142
mvi_l1	-0.00468	0.0210	0.0499	0.8232
act_l1_1	0.0293	0.0387	0.5738	0.4487
act_l1_1_ti	-0.0641	0.0323	3.9364	0.0473
act_l1_2	-0.0189	0.0442	0.1826	0.6691

act_l1_2_ti	-0.0366	0.0386	0.8995	0.3429
act_l1_3	-0.0361	0.0750	0.2317	0.6303
act_l1_3_ti	-0.0656	0.0786	0.6966	0.4039
act_l1_4	-0.0684	0.0519	1.7329	0.1880
act_l1_4_ti	-0.0193	0.0404	0.2293	0.6321
act_l1_5	0.000350	0.0873	0.0000	0.9968
act_l1_5_ti	-0.0307	0.0994	0.0954	0.7574
can_l2	0.0283	0.1102	0.0662	0.7970
can_l1	0.0572	0.0957	0.3569	0.5502
bmi_l2_1	0.00945	0.1513	0.0039	0.9502
bmi_l1_1	0.1098	0.1337	0.6743	0.4115
bmi_l2_2	-0.0691	0.1134	0.3711	0.5424
bmi_l1_2	0.2637	0.1027	6.5960	0.0102
bmi_l2_3	-0.00143	0.1079	0.0002	0.9894
bmi_l1_3	0.1564	0.0980	2.5498	0.1103
bmi_l2_4	0.00217	0.1018	0.0005	0.9830
bmi_l1_4	0.1052	0.0926	1.2913	0.2558
bmi_l2_5	0.0930	0.0916	1.0318	0.3097
bmi_l1_5	-0.0378	0.0839	0.2037	0.6518
chl_l2	0.0352	0.0448	0.6161	0.4325
chl_l1	-0.0871	0.0416	4.3798	0.0364
hbp_l2	-0.0660	0.0558	1.3969	0.2373
hbp_l1	-0.00975	0.0539	0.0327	0.8564
sta_l1	0.1074	0.0479	5.0215	0.0250
sta_l1_ti	-0.0712	0.0539	1.7442	0.1866
asn_l2_1	-0.0207	0.0365	0.3205	0.5713
asn_l1_1	0.00239	0.0361	0.0044	0.9472
asn_l2_2	-0.0182	0.0345	0.2787	0.5976
asn_l1_2	-0.0388	0.0339	1.3068	0.2530
angcbg_l2	0.1063	0.1399	0.5781	0.4471
angcbg_l1	-0.0401	0.1222	0.1076	0.7429
str_l2	0.0738	0.2828	0.0680	0.7942

str_l1	0.000477	0.2391	0.0000	0.9984
mi_l2	0.5263	0.3296	2.5498	0.1103
mi_l1	-0.0987	0.2755	0.1282	0.7203
mnp	0.4629	0.0506	83.8101	<.0001
pmh	-0.2255	0.0327	47.6141	<.0001
ost	-0.3025	0.0545	30.7768	<.0001
rpmeats_1	-0.4221	0.0567	55.3780	<.0001
rpmeats_1_ti	0.0791	0.0599	1.7457	0.1864
rpmeats_2	-0.2815	0.0481	34.2569	<.0001
rpmeats_2_ti	0.1271	0.0469	7.3514	0.0067
rpmeats_3	-0.1990	0.0451	19.4324	<.0001
rpmeats_3_ti	0.0876	0.0446	3.8607	0.0494
rpmeats_4	-0.1472	0.0414	12.6591	0.0004
rpmeats_4_ti	0.0715	0.0399	3.2111	0.0731
coff_1	-0.2925	0.0843	12.0397	0.0005
coff_1_ti	0.0343	0.0578	0.3519	0.5530
coff_2	-0.4583	0.0732	39.1742	<.0001
coff_2_ti	0.1188	0.0734	2.6212	0.1054
coff_3	-0.1777	0.0789	5.0792	0.0242
coff_3_ti	-0.0572	0.0865	0.4376	0.5083
coff_4	-0.1692	0.0332	25.9925	<.0001
coff_4_ti	0.0371	0.0299	1.5390	0.2148
whgrn_1	0.5197	0.0498	108.9271	<.0001
whgrn_1_ti	-0.1709	0.0501	11.6472	0.0006
whgrn_2	0.4063	0.0468	75.3336	<.0001
whgrn_2_ti	-0.1408	0.0513	7.5293	0.0061
whgrn_3	0.2513	0.0458	30.1025	<.0001
whgrn_3_ti	-0.1072	0.0545	3.8723	0.0491
whgrn_4	0.1241	0.0459	7.2902	0.0069
whgrn_4_ti	0.00923	0.0572	0.0261	0.8717
soda_1	0.0300	0.0676	0.1971	0.6571
soda_1_ti	-0.0480	0.0279	2.9603	0.0853

soda_2	0.0244	0.0562	0.1890	0.6637
soda_2_ti	-0.0369	0.0237	2.4312	0.1189
soda_3	0.0570	0.0542	1.1054	0.2931
soda_3_ti	-0.0350	0.0243	2.0729	0.1499
soda_4	-0.0561	0.0493	1.2913	0.2558
soda_4_ti	-0.0277	0.0243	1.2985	0.2545
cal_1	0.2142	0.0581	13.5986	0.0002
cal_1_ti	-0.0570	0.0514	1.2280	0.2678
cal_2	0.1136	0.0510	4.9519	0.0261
cal_2_ti	-0.00845	0.0479	0.0312	0.8598
cal_3	0.0797	0.0474	2.8285	0.0926
cal_3_ti	0.00188	0.0470	0.0016	0.9680
cal_4	0.0318	0.0440	0.5235	0.4694
cal_4_ti	-0.00652	0.0467	0.0195	0.8890
alc_1	-0.2313	0.0550	17.7170	<.0001
alc_1_ti	-0.0225	0.0355	0.4033	0.5254
alc_2	-0.2199	0.0501	19.2649	<.0001
alc_2_ti	0.0109	0.0370	0.0876	0.7672
alc_3	-0.1150	0.0511	5.0671	0.0244
alc_3_ti	0.0469	0.0473	0.9856	0.3208

(S) Log-linear model to estimate the number of cigarettes smoked per day among smokers

Variable	Parameter estimate	Standard error	t value	P value
Intercept	3.87145	0.09966	38.84	<.0001
fhx	0.00256	0.00439	0.58	0.5599
smkhx	0.09018	0.02495	3.61	0.0003
ochx	-0.00213	0.00368	-0.58	0.5621
employed_1	-0.02852	0.00693	-4.12	<.0001
employed_2	-0.00316	0.01043	-0.30	0.7616
employed_3	-0.02031	0.00553	-3.67	0.0002
employed_4	-0.03966	0.00763	-5.20	<.0001
employed_5	-0.02373	0.00521	-4.56	<.0001
employed_6	0.00141	0.00779	0.18	0.8564
employed_miss	-0.04647	0.02341	-1.98	0.0472
mar80	-0.00725	0.00553	-1.31	0.1897
college	-0.00963	0.00415	-2.32	0.0202
stress82	0.00682	0.00438	1.56	0.1193
stress82_miss	0.05902	0.02202	2.68	0.0074
hhighsch	-0.01827	0.00442	-4.14	<.0001
hcollege	-0.01722	0.00496	-3.47	0.0005
hgradsch	-0.02643	0.00558	-4.74	<.0001
lbmi18_2	-0.00314	0.00423	-0.74	0.4588
lbmi18_3	-0.00535	0.00620	-0.86	0.3882
lbmi18_4	-0.01308	0.01337	-0.98	0.3280
baseage	-0.00879	0.00378	-2.33	0.0201
baseage_sq	0.00005188	0.00003746	1.38	0.1661
bmi80_1	-0.00990	0.02403	-0.41	0.6805
bmi80_2	-0.01315	0.01985	-0.66	0.5076
bmi80_3	-0.00501	0.01927	-0.26	0.7948
bmi80_4	-0.00425	0.01863	-0.23	0.8194
bmi80_5	0.02065	0.01798	1.15	0.2508
act80_1	0.00641	0.00503	1.27	0.2025

act80_2	0.00829	0.00603	1.37	0.1693
act80_3	0.00662	0.00534	1.24	0.2155
alc80_1	0.00872	0.00574	1.52	0.1289
alc80_2	-0.00754	0.00542	-1.39	0.1643
alc80_3	-0.00673	0.00611	-1.10	0.2707
rpmeats80_1	0.00200	0.01267	0.16	0.8746
rpmeats80_2	-0.00840	0.00657	-1.28	0.2009
rpmeats80_3	-0.00014186	0.00526	-0.03	0.9785
rpmeats80_4	-0.00328	0.00470	-0.70	0.4853
coff80_1	-0.00673	0.00572	-1.17	0.2400
coff80_2	-0.00715	0.00859	-0.83	0.4047
coff80_3	0.00474	0.01203	0.39	0.6938
whgrn80_1	-0.00885	0.00550	-1.61	0.1076
whgrn80_2	-0.01091	0.00605	-1.80	0.0712
soda80_1	-0.00792	0.00633	-1.25	0.2110
soda80_2	-0.01539	0.00578	-2.66	0.0078
soda80_3	-0.01309	0.00576	-2.27	0.0230
soda80_4	-0.01389	0.00532	-2.61	0.0091
cig80_1	-0.26888	0.01065	-25.25	<.0001
cig80_2	-0.47171	0.01216	-38.78	<.0001
cig80_3	-0.30503	0.00860	-35.45	<.0001
cig80_4	-0.13644	0.00690	-19.77	<.0001
period_2	0.19080	0.02493	7.65	<.0001
period_3	0.09460	0.02178	4.34	<.0001
period_4	0.09400	0.01239	7.58	<.0001
period_5	0.08181	0.02219	3.69	0.0002
period_6	0.08489	0.01130	7.51	<.0001
period_7	0.05969	0.02018	2.96	0.0031
period_8	0.04165	0.01132	3.68	0.0002
period_9	0.03381	0.02053	1.65	0.0996
period_10	0.02772	0.01167	2.38	0.0176
period_11	0.03872	0.02085	1.86	0.0633

mnp_l2	0.00561	0.00730	0.77	0.4421
mnp_l1	0.00994	0.00932	1.07	0.2861
pmh_l2	-0.00354	0.00632	-0.56	0.5748
pmh_l1	0.00279	0.00699	0.40	0.6892
ost_l2	0.00624	0.01274	0.49	0.6244
ost_l1	-0.00732	0.01523	-0.48	0.6309
rpmeats_l1_1	-0.02651	0.01962	-1.35	0.1766
rpmeats_l1_1_ti	0.00204	0.01081	0.19	0.8500
rpmeats_l1_2	-0.00417	0.01407	-0.30	0.7667
rpmeats_l1_2_ti	-0.00738	0.00813	-0.91	0.3641
rpmeats_l1_3	0.00164	0.01274	0.13	0.8973
rpmeats_l1_3_ti	-0.01032	0.00750	-1.38	0.1690
rpmeats_l1_4	0.00432	0.01072	0.40	0.6869
rpmeats_l1_4_ti	-0.00861	0.00656	-1.31	0.1891
coff_l1_1	0.07170	0.01946	3.69	0.0002
coff_l1_1_ti	-0.01820	0.00967	-1.88	0.0600
coff_l1_2	0.02092	0.02312	0.90	0.3657
coff_l1_2_ti	-0.00144	0.01311	-0.11	0.9127
coff_l1_3	0.02334	0.02560	0.91	0.3618
coff_l1_3_ti	-0.01291	0.01507	-0.86	0.3918
coff_l1_4	0.00036678	0.00927	0.04	0.9684
coff_l1_4_ti	-0.00241	0.00521	-0.46	0.6434
whgrn_l1_1	-0.02752	0.01614	-1.70	0.0882
whgrn_l1_1_ti	0.01254	0.00904	1.39	0.1654
whgrn_l1_2	-0.05394	0.01632	-3.30	0.0010
whgrn_l1_2_ti	0.02976	0.00927	3.21	0.0013
whgrn_l1_3	-0.02303	0.01733	-1.33	0.1838
whgrn_l1_3_ti	0.01057	0.00987	1.07	0.2841
whgrn_l1_4	-0.06206	0.01845	-3.36	0.0008
whgrn_l1_4_ti	0.03461	0.01056	3.28	0.0010
soda_l1_1	-0.00863	0.01567	-0.55	0.5820
soda_l1_1_ti	0.00196	0.00463	0.42	0.6726

soda_l1_2	0.00633	0.01323	0.48	0.6323
soda_l1_2_ti	-0.00190	0.00400	-0.47	0.6355
soda_l1_3	0.00619	0.01299	0.48	0.6339
soda_l1_3_ti	0.00017413	0.00410	0.04	0.9661
soda_l1_4	0.01309	0.01239	1.06	0.2908
soda_l1_4_ti	-0.00369	0.00414	-0.89	0.3733
cal_l1_1	0.00216	0.01574	0.14	0.8909
cal_l1_1_ti	-0.00238	0.00880	-0.27	0.7871
cal_l1_2	0.01771	0.01429	1.24	0.2153
cal_l1_2_ti	-0.00624	0.00818	-0.76	0.4458
cal_l1_3	-0.00085258	0.01378	-0.06	0.9507
cal_l1_3_ti	0.00100	0.00799	0.13	0.9003
cal_l1_4	0.00291	0.01320	0.22	0.8257
cal_l1_4_ti	-0.00311	0.00781	-0.40	0.6905
alc_l1_1	0.00315	0.01330	0.24	0.8126
alc_l1_1_ti	0.01078	0.00606	1.78	0.0755
alc_l1_2	0.01192	0.01251	0.95	0.3410
alc_l1_2_ti	0.00127	0.00642	0.20	0.8438
alc_l1_3	0.00365	0.01428	0.26	0.7982
alc_l1_3_ti	0.00170	0.00825	0.21	0.8365
cig_l2_1	-0.45548	0.01171	-38.88	<.0001
cig_l1_1	-0.96289	0.01153	-83.52	<.0001
cig_l2_2	-0.65621	0.01269	-51.72	<.0001
cig_l1_2	-1.41963	0.01168	-121.52	<.0001
cig_l2_3	-0.39159	0.01018	-38.49	<.0001
cig_l1_3	-0.73787	0.00964	-76.54	<.0001
cig_l2_4	-0.17899	0.00866	-20.67	<.0001
cig_l1_4	-0.31224	0.00838	-37.24	<.0001
mvi_l2	-0.00018719	0.00369	-0.05	0.9596
mvi_l1	-0.00557	0.00368	-1.51	0.1303
act_l1_1	0.03527	0.00683	5.16	<.0001
act_l1_1_ti	-0.01608	0.00563	-2.86	0.0043

act_l1_2	0.01920	0.00786	2.44	0.0146
act_l1_2_ti	-0.01832	0.00680	-2.69	0.0071
act_l1_3	0.00887	0.01355	0.65	0.5126
act_l1_3_ti	-0.02884	0.01452	-1.99	0.0470
act_l1_4	0.00870	0.00935	0.93	0.3521
act_l1_4_ti	-0.01021	0.00711	-1.44	0.1507
act_l1_5	-0.02615	0.01582	-1.65	0.0982
act_l1_5_ti	-0.00787	0.01867	-0.42	0.6736
can_l2	0.00394	0.01870	0.21	0.8333
can_l1	0.00225	0.01614	0.14	0.8891
bmi_l2_1	-0.04035	0.02656	-1.52	0.1287
bmi_l1_1	-0.02024	0.02363	-0.86	0.3917
bmi_l2_2	-0.06246	0.02066	-3.02	0.0025
bmi_l1_2	0.02134	0.01843	1.16	0.2470
bmi_l2_3	-0.05428	0.01975	-2.75	0.0060
bmi_l1_3	0.02599	0.01766	1.47	0.1412
bmi_l2_4	-0.04088	0.01874	-2.18	0.0292
bmi_l1_4	0.02107	0.01674	1.26	0.2083
bmi_l2_5	-0.04295	0.01691	-2.54	0.0111
bmi_l1_5	0.03141	0.01531	2.05	0.0402
chl_l2	0.00791	0.00808	0.98	0.3277
chl_l1	-0.00345	0.00751	-0.46	0.6463
hbp_l2	-0.00342	0.00975	-0.35	0.7260
hbp_l1	-0.00320	0.00937	-0.34	0.7327
sta_l1	-0.00097794	0.00848	-0.12	0.9082
sta_l1_ti	-0.00353	0.01003	-0.35	0.7246
asn_l2_1	0.00073248	0.00644	0.11	0.9094
asn_l1_1	-0.00918	0.00633	-1.45	0.1471
asn_l2_2	-0.01159	0.00609	-1.90	0.0571
asn_l1_2	-0.01331	0.00597	-2.23	0.0259
angcbg_l2	0.05851	0.02495	2.34	0.0190
angcbg_l1	-0.02501	0.02201	-1.14	0.2557

str_l2	0.12094	0.04872	2.48	0.0131
str_l1	-0.04183	0.04112	-1.02	0.3090
mi_l2	0.03157	0.05475	0.58	0.5642
mi_l1	-0.00245	0.04801	-0.05	0.9593
mnp	-0.01202	0.00790	-1.52	0.1280
pmh	0.00004250	0.00585	0.01	0.9942
ost	0.00201	0.01078	0.19	0.8519
rpmeats_1	-0.03433	0.01019	-3.37	0.0008
rpmeats_1_ti	0.00785	0.01086	0.72	0.4694
rpmeats_2	-0.03065	0.00832	-3.68	0.0002
rpmeats_2_ti	-0.00121	0.00826	-0.15	0.8835
rpmeats_3	-0.02617	0.00766	-3.42	0.0006
rpmeats_3_ti	-0.00065483	0.00769	-0.09	0.9321
rpmeats_4	-0.01959	0.00691	-2.83	0.0046
rpmeats_4_ti	-0.00345	0.00678	-0.51	0.6108
coff_1	-0.05398	0.01499	-3.60	0.0003
coff_1_ti	-0.01518	0.00959	-1.58	0.1133
coff_2	-0.05594	0.01404	-3.98	<.0001
coff_2_ti	0.00263	0.01319	0.20	0.8417
coff_3	-0.05182	0.01442	-3.59	0.0003
coff_3_ti	-0.00676	0.01546	-0.44	0.6618
coff_4	-0.03186	0.00586	-5.44	<.0001
coff_4_ti	0.00365	0.00522	0.70	0.4847
whgrn_1	0.04722	0.00907	5.21	<.0001
whgrn_1_ti	-0.00818	0.00912	-0.90	0.3695
whgrn_2	0.02653	0.00868	3.06	0.0022
whgrn_2_ti	0.01323	0.00942	1.40	0.1602
whgrn_3	0.00917	0.00870	1.05	0.2919
whgrn_3_ti	0.00358	0.01009	0.36	0.7225
whgrn_4	0.00007329	0.00893	0.01	0.9934
whgrn_4_ti	0.02084	0.01081	1.93	0.0540
soda_1	-0.00570	0.01187	-0.48	0.6309

soda_1_ti	0.00411	0.00473	0.87	0.3851
soda_2	-0.02476	0.00993	-2.49	0.0127
soda_2_ti	0.00582	0.00411	1.42	0.1566
soda_3	-0.03206	0.00956	-3.35	0.0008
soda_3_ti	0.00753	0.00422	1.79	0.0741
soda_4	-0.02632	0.00884	-2.98	0.0029
soda_4_ti	0.00594	0.00427	1.39	0.1640
cal_1	0.01317	0.01012	1.30	0.1932
cal_1_ti	-0.00840	0.00880	-0.96	0.3396
cal_2	0.00841	0.00896	0.94	0.3481
cal_2_ti	-0.01112	0.00826	-1.35	0.1781
cal_3	0.00172	0.00831	0.21	0.8358
cal_3_ti	0.00215	0.00814	0.26	0.7912
cal_4	-0.00616	0.00772	-0.80	0.4250
cal_4_ti	-0.00186	0.00804	-0.23	0.8172
alc_1	-0.04167	0.00971	-4.29	<.0001
alc_1_ti	0.01078	0.00598	1.80	0.0716
alc_2	-0.04168	0.00891	-4.68	<.0001
alc_2_ti	-0.00172	0.00641	-0.27	0.7887
alc_3	-0.02860	0.00900	-3.18	0.0015
alc_3_ti	-0.00516	0.00840	-0.61	0.5390

(T) Logistic model to estimate the probability of taking multivitamins

Parameter	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-0.7621	0.1703	20.0360	<.0001
fhx	-0.00010	0.00769	0.0002	0.9894
smkhx	0.0186	0.00725	6.6019	0.0102
ochx	0.0291	0.00661	19.4177	<.0001
employed_1	-0.00952	0.0122	0.6065	0.4361
employed_2	0.00798	0.0194	0.1699	0.6802
employed_3	-0.0157	0.00982	2.5559	0.1099
employed_4	-0.0415	0.0128	10.4865	0.0012
employed_5	-0.0227	0.00910	6.2431	0.0125
employed_6	0.0144	0.0135	1.1367	0.2864
employed_miss	-0.0177	0.0435	0.1657	0.6840
mar80	-0.00900	0.0116	0.6063	0.4362
college	0.0487	0.00702	48.0601	<.0001
stress82	0.0364	0.00728	24.9678	<.0001
stress82_miss	0.0150	0.0404	0.1388	0.7095
hhighsch	-0.0115	0.00845	1.8546	0.1733
hcollege	0.0263	0.00920	8.1913	0.0042
hgradsch	0.0240	0.00975	6.0363	0.0140
lbmi18_2	-0.0109	0.00772	1.9900	0.1583
lbmi18_3	-0.0112	0.0123	0.8315	0.3618
lbmi18_4	0.0230	0.0290	0.6267	0.4286
baseage	0.0107	0.00657	2.6452	0.1039
baseage_sq	-0.00004	0.000065	0.3012	0.5832
bmi80_1	-0.1371	0.0435	9.9167	0.0016
bmi80_2	-0.0922	0.0291	10.0310	0.0015
bmi80_3	-0.1007	0.0277	13.2403	0.0003
bmi80_4	-0.0842	0.0263	10.2835	0.0013
bmi80_5	-0.0600	0.0251	5.6853	0.0171

act80_1	-0.0203	0.00898	5.1031	0.0239
act80_2	-0.0236	0.0105	5.0766	0.0243
act80_3	0.00985	0.00932	1.1176	0.2904
alc80_1	-0.0438	0.0108	16.5276	<.0001
alc80_2	-0.0388	0.0102	14.3959	0.0001
alc80_3	-0.0118	0.0113	1.0827	0.2981
rpmeats80_1	-0.0140	0.0179	0.6108	0.4345
rpmeats80_2	0.0138	0.0111	1.5512	0.2130
rpmeats80_3	0.00604	0.00940	0.4136	0.5201
rpmeats80_4	0.00766	0.00845	0.8206	0.3650
coff80_1	0.0387	0.00910	18.0935	<.0001
coff80_2	0.0531	0.0129	16.8703	<.0001
coff80_3	0.0602	0.0201	8.9934	0.0027
whgrn80_1	-0.0560	0.00913	37.6205	<.0001
whgrn80_2	-0.00067	0.00972	0.0048	0.9450
soda80_1	-0.0453	0.0117	15.0132	0.0001
soda80_2	-0.0242	0.0103	5.5733	0.0182
soda80_3	-0.00277	0.0101	0.0755	0.7835
soda80_4	-0.0102	0.00966	1.1206	0.2898
cig80_1	0.0362	0.0259	1.9548	0.1621
cig80_2	0.0527	0.0324	2.6400	0.1042
cig80_3	0.0131	0.0282	0.2159	0.6422
cig80_4	-0.00753	0.0248	0.0921	0.7615
period_2	-0.6088	0.0469	168.1350	<.0001
period_3	-0.9865	0.0385	656.8487	<.0001
period_4	-1.0053	0.0204	2436.6365	<.0001
period_5	-0.8349	0.0384	472.7764	<.0001
period_6	-0.5150	0.0175	864.7600	<.0001
period_7	-0.3967	0.0347	130.5267	<.0001
period_8	-0.0781	0.0170	21.1451	<.0001
period_9	0.0407	0.0351	1.3447	0.2462
period_10	-0.0597	0.0169	12.5077	0.0004

period_11	0.1087	0.0352	9.5186	0.0020
mnp_l2	-0.0220	0.0137	2.5863	0.1078
mnp_l1	-0.0457	0.0178	6.6015	0.0102
pmh_l2	0.1050	0.0103	104.7025	<.0001
pmh_l1	0.0344	0.0114	9.0771	0.0026
ost_l2	-0.0588	0.0215	7.4551	0.0063
ost_l1	-0.0335	0.0260	1.6588	0.1978
rpmeats_l1_1	-0.7013	0.0394	317.3819	<.0001
rpmeats_l1_1_ti	0.4257	0.0207	422.0671	<.0001
rpmeats_l1_2	-0.4213	0.0302	194.5425	<.0001
rpmeats_l1_2_ti	0.2680	0.0166	260.8748	<.0001
rpmeats_l1_3	-0.2012	0.0281	51.0866	<.0001
rpmeats_l1_3_ti	0.1419	0.0158	81.1039	<.0001
rpmeats_l1_4	-0.1648	0.0240	47.0656	<.0001
rpmeats_l1_4_ti	0.1110	0.0139	63.4637	<.0001
coff_l1_1	-0.1884	0.0332	32.1848	<.0001
coff_l1_1_ti	0.0671	0.0164	16.7570	<.0001
coff_l1_2	-0.3644	0.0404	81.4910	<.0001
coff_l1_2_ti	0.1853	0.0214	74.6999	<.0001
coff_l1_3	-0.4219	0.0460	83.9765	<.0001
coff_l1_3_ti	0.2140	0.0252	72.1403	<.0001
coff_l1_4	-0.0650	0.0208	9.7284	0.0018
coff_l1_4_ti	0.0242	0.0113	4.5470	0.0330
whgrn_l1_1	0.8171	0.0317	666.2872	<.0001
whgrn_l1_1_ti	-0.5183	0.0171	922.5413	<.0001
whgrn_l1_2	0.5660	0.0315	323.4634	<.0001
whgrn_l1_2_ti	-0.3475	0.0171	413.7291	<.0001
whgrn_l1_3	0.4443	0.0326	185.2551	<.0001
whgrn_l1_3_ti	-0.2667	0.0177	227.9912	<.0001
whgrn_l1_4	0.0961	0.0335	8.2055	0.0042
whgrn_l1_4_ti	-0.0611	0.0181	11.3420	0.0008
soda_l1_1	-0.0351	0.0286	1.4994	0.2208

soda_l1_1_ti	0.0113	0.00933	1.4610	0.2268
soda_l1_2	0.0477	0.0235	4.1208	0.0424
soda_l1_2_ti	-0.0150	0.00766	3.8403	0.0500
soda_l1_3	0.0381	0.0229	2.7717	0.0959
soda_l1_3_ti	-0.0171	0.00772	4.8782	0.0272
soda_l1_4	0.0121	0.0224	0.2916	0.5892
soda_l1_4_ti	-0.00297	0.00794	0.1396	0.7087
cal_l1_1	0.1378	0.0343	16.1742	<.0001
cal_l1_1_ti	-0.0863	0.0184	22.0671	<.0001
cal_l1_2	0.0119	0.0310	0.1481	0.7003
cal_l1_2_ti	-0.0256	0.0169	2.3090	0.1286
cal_l1_3	0.0362	0.0295	1.5027	0.2203
cal_l1_3_ti	-0.0190	0.0162	1.3734	0.2412
cal_l1_4	-0.0227	0.0283	0.6428	0.4227
cal_l1_4_ti	0.0125	0.0157	0.6307	0.4271
alc_l1_1	0.1775	0.0287	38.2796	<.0001
alc_l1_1_ti	-0.1150	0.0133	74.6294	<.0001
alc_l1_2	0.1149	0.0280	16.8640	<.0001
alc_l1_2_ti	-0.0762	0.0141	29.2460	<.0001
alc_l1_3	0.0411	0.0324	1.6109	0.2044
alc_l1_3_ti	-0.0254	0.0177	2.0575	0.1515
cig_l2_1	0.0236	0.0410	0.3319	0.5645
cig_l1_1	-0.0795	0.0465	2.9272	0.0871
cig_l2_2	-0.0162	0.0477	0.1154	0.7340
cig_l1_2	-0.1284	0.0528	5.9138	0.0150
cig_l2_3	0.0266	0.0419	0.4014	0.5264
cig_l1_3	-0.1253	0.0465	7.2703	0.0070
cig_l2_4	-0.00010	0.0370	0.0000	0.9979
cig_l1_4	-0.1052	0.0411	6.5516	0.0105
mvi_l2	0.9008	0.00640	19823.4057	<.0001
mvi_l1	1.6289	0.00637	65327.9830	<.0001
act_l1_1	-0.1158	0.0104	122.8841	<.0001

act_l1_1_ti	0.1230	0.0105	136.3506	<.0001
act_l1_2	-0.00982	0.0120	0.6721	0.4123
act_l1_2_ti	0.0555	0.0125	19.7805	<.0001
act_l1_3	0.0611	0.0208	8.6128	0.0033
act_l1_3_ti	0.0332	0.0257	1.6679	0.1965
act_l1_4	0.0137	0.0136	1.0075	0.3155
act_l1_4_ti	-0.00749	0.0128	0.3440	0.5575
act_l1_5	0.0673	0.0221	9.2729	0.0023
act_l1_5_ti	0.0220	0.0287	0.5855	0.4442
can_l2	-0.0914	0.0291	9.8765	0.0017
can_l1	0.1500	0.0254	34.7767	<.0001
bmi_l2_1	0.0747	0.0531	1.9846	0.1589
bmi_l1_1	0.0489	0.0486	1.0123	0.3143
bmi_l2_2	0.0458	0.0320	2.0496	0.1523
bmi_l1_2	0.0315	0.0295	1.1440	0.2848
bmi_l2_3	0.0523	0.0296	3.1126	0.0777
bmi_l1_3	0.0133	0.0274	0.2378	0.6258
bmi_l2_4	0.0358	0.0274	1.7105	0.1909
bmi_l1_4	0.00991	0.0253	0.1529	0.6958
bmi_l2_5	0.0405	0.0242	2.8090	0.0937
bmi_l1_5	-0.00777	0.0226	0.1186	0.7305
chl_l2	0.00146	0.0138	0.0111	0.9159
chl_l1	0.00291	0.0131	0.0491	0.8246
hbp_l2	-0.0492	0.0164	8.9687	0.0027
hbp_l1	0.0155	0.0160	0.9386	0.3326
sta_l1	0.0367	0.0128	8.1878	0.0042
sta_l1_ti	-0.00146	0.0162	0.0081	0.9283
asn_l2_1	-0.0274	0.0111	6.0557	0.0139
asn_l1_1	-0.1860	0.0108	297.9470	<.0001
asn_l2_2	-0.0668	0.0106	39.6233	<.0001
asn_l1_2	-0.0890	0.0104	73.6066	<.0001
angcbg_l2	-0.0648	0.0403	2.5856	0.1078

angcbg_l1	-0.0480	0.0362	1.7558	0.1852
str_l2	-0.1495	0.0892	2.8088	0.0937
str_l1	0.0476	0.0752	0.4007	0.5267
mi_l2	0.0618	0.0923	0.4482	0.5032
mi_l1	-0.1878	0.0800	5.5052	0.0190
mnp	0.00455	0.0151	0.0910	0.7629
pmh	0.0405	0.00974	17.3226	<.0001
ost	0.1884	0.0183	105.9647	<.0001
rpmeats_1	0.0743	0.0179	17.3289	<.0001
rpmeats_1_ti	0.4431	0.0210	446.6328	<.0001
rpmeats_2	0.0565	0.0156	13.0551	0.0003
rpmeats_2_ti	0.2631	0.0170	238.5452	<.0001
rpmeats_3	0.0253	0.0149	2.8840	0.0895
rpmeats_3_ti	0.1531	0.0163	88.1135	<.0001
rpmeats_4	0.0273	0.0140	3.8185	0.0507
rpmeats_4_ti	0.1030	0.0147	49.3499	<.0001
coff_1	0.0386	0.0222	3.0264	0.0819
coff_1_ti	0.0634	0.0165	14.7143	0.0001
coff_2	0.0405	0.0198	4.2115	0.0402
coff_2_ti	0.1954	0.0218	80.4066	<.0001
coff_3	0.0609	0.0213	8.1681	0.0043
coff_3_ti	0.2184	0.0259	71.1250	<.0001
coff_4	0.0107	0.0113	0.8928	0.3447
coff_4_ti	0.0214	0.0115	3.4485	0.0633
whgrn_1	-0.0927	0.0163	32.3829	<.0001
whgrn_1_ti	-0.5216	0.0174	903.0639	<.0001
whgrn_2	-0.0660	0.0146	20.3302	<.0001
whgrn_2_ti	-0.3485	0.0175	397.5459	<.0001
whgrn_3	-0.0361	0.0138	6.8192	0.0090
whgrn_3_ti	-0.2663	0.0181	216.0583	<.0001
whgrn_4	-0.0245	0.0132	3.4502	0.0632
whgrn_4_ti	-0.0594	0.0186	10.1601	0.0014

soda_1	0.0146	0.0203	0.5147	0.4731
soda_1_ti	0.0109	0.00943	1.3404	0.2470
soda_2	0.0220	0.0169	1.6906	0.1935
soda_2_ti	-0.0137	0.00780	3.0777	0.0794
soda_3	0.0276	0.0161	2.9237	0.0873
soda_3_ti	-0.0143	0.00789	3.2792	0.0702
soda_4	-0.0237	0.0154	2.3698	0.1237
soda_4_ti	0.00365	0.00815	0.2004	0.6544
cal_1	-0.0715	0.0183	15.2573	<.0001
cal_1_ti	-0.0733	0.0186	15.4845	<.0001
cal_2	-0.00186	0.0161	0.0134	0.9079
cal_2_ti	-0.0255	0.0172	2.1920	0.1387
cal_3	0.00785	0.0148	0.2806	0.5963
cal_3_ti	-0.0326	0.0167	3.8414	0.0500
cal_4	0.00249	0.0137	0.0331	0.8556
cal_4_ti	0.00934	0.0163	0.3274	0.5672
alc_1	0.0539	0.0189	8.1720	0.0043
alc_1_ti	-0.1196	0.0133	80.3412	<.0001
alc_2	0.0631	0.0171	13.5544	0.0002
alc_2_ti	-0.0706	0.0142	24.5721	<.0001
alc_3	0.0233	0.0173	1.8167	0.1777
alc_3_ti	-0.0129	0.0183	0.4980	0.4804
cig_1	-0.00525	0.0454	0.0134	0.9079
cig_2	-0.0286	0.0524	0.2994	0.5843
cig_3	-0.0174	0.0466	0.1395	0.7088
cig_4	0.00589	0.0423	0.0194	0.8892

(U) Logistic model to estimate the probability of being physically active

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	0.5955	0.1841	10.4686	0.0012
fhx	-0.00475	0.00824	0.3326	0.5642
smkhx	0.0234	0.00783	8.9130	0.0028
ochx	0.0206	0.00709	8.4217	0.0037
employed_1	0.1772	0.0132	181.0729	<.0001
employed_2	0.2283	0.0208	120.5235	<.0001
employed_3	0.1457	0.0105	192.2818	<.0001
employed_4	0.2153	0.0139	240.0612	<.0001
employed_5	0.1649	0.00977	285.0636	<.0001
employed_6	0.1620	0.0146	122.7646	<.0001
employed_miss	-0.0622	0.0467	1.7731	0.1830
mar80	0.0552	0.0124	19.7512	<.0001
college	0.1093	0.00759	207.1650	<.0001
stress82	-0.00795	0.00786	1.0217	0.3121
stress82_miss	0.0355	0.0433	0.6729	0.4120
hhighsch	-0.0943	0.00906	108.4353	<.0001
hcollege	-0.0574	0.00992	33.4725	<.0001
hgradsch	-0.0154	0.0106	2.1158	0.1458
lbmi18_2	0.0528	0.00829	40.4844	<.0001
lbmi18_3	0.0538	0.0132	16.6841	<.0001
lbmi18_4	-0.00828	0.0309	0.0717	0.7888
baseage	0.0116	0.00708	2.6893	0.1010
baseage_sq	-0.00037	0.000070	27.8943	<.0001
bmi80_1	0.2316	0.0459	25.4158	<.0001
bmi80_2	0.2719	0.0304	79.9328	<.0001
bmi80_3	0.2162	0.0289	56.0660	<.0001
bmi80_4	0.1577	0.0274	33.1745	<.0001
bmi80_5	0.0751	0.0264	8.1256	0.0044

act80_1	-0.1996	0.00975	419.2462	<.0001
act80_2	-0.0319	0.0115	7.7143	0.0055
act80_3	0.00208	0.0104	0.0403	0.8409
alc80_1	-0.0227	0.0114	3.9449	0.0470
alc80_2	0.0413	0.0109	14.2346	0.0002
alc80_3	0.0369	0.0123	9.0399	0.0026
rpmeats80_1	0.0323	0.0196	2.7207	0.0991
rpmeats80_2	0.0299	0.0121	6.1383	0.0132
rpmeats80_3	0.00535	0.0101	0.2793	0.5972
rpmeats80_4	-0.0146	0.00907	2.5923	0.1074
coff80_1	0.0170	0.00974	3.0630	0.0801
coff80_2	0.0337	0.0139	5.9098	0.0151
coff80_3	0.0141	0.0215	0.4328	0.5106
whgrn80_1	-0.00792	0.00980	0.6535	0.4189
whgrn80_2	0.0593	0.0105	32.0616	<.0001
soda80_1	-0.0516	0.0124	17.2606	<.0001
soda80_2	-0.00448	0.0109	0.1695	0.6806
soda80_3	0.0205	0.0108	3.6146	0.0573
soda80_4	0.0167	0.0103	2.6061	0.1065
cig80_1	0.1564	0.0275	32.4135	<.0001
cig80_2	0.2215	0.0347	40.7015	<.0001
cig80_3	0.1707	0.0300	32.4361	<.0001
cig80_4	0.0649	0.0265	5.9924	0.0144
period_2	0.1837	0.0528	12.1038	0.0005
period_3	1.1489	0.0428	719.5124	<.0001
period_5	-0.3354	0.0443	57.4638	<.0001
period_6	0.7401	0.0178	1720.9604	<.0001
period_7	0.4869	0.0393	153.3813	<.0001
period_8	0.5293	0.0169	985.8166	<.0001
period_9	0.2168	0.0395	30.1310	<.0001
period_10	0.3672	0.0162	511.7396	<.0001
period_11	0.5489	0.0393	194.5745	<.0001

mnp_l2	0.00664	0.0152	0.1911	0.6620
mnp_l1	0.0489	0.0199	6.0234	0.0141
pmh_l2	0.0297	0.0107	7.6713	0.0056
pmh_l1	-0.0124	0.0121	1.0614	0.3029
ost_l2	-0.0684	0.0212	10.4193	0.0012
ost_l1	0.00225	0.0258	0.0076	0.9303
rpmeats_l1_1	0.1906	0.0419	20.6716	<.0001
rpmeats_l1_1_ti	-0.0608	0.0225	7.3344	0.0068
rpmeats_l1_2	0.1630	0.0315	26.7304	<.0001
rpmeats_l1_2_ti	-0.0514	0.0179	8.2094	0.0042
rpmeats_l1_3	0.1216	0.0291	17.4482	<.0001
rpmeats_l1_3_ti	-0.0315	0.0170	3.4352	0.0638
rpmeats_l1_4	0.0815	0.0245	11.0208	0.0009
rpmeats_l1_4_ti	-0.0281	0.0152	3.4147	0.0646
coff_l1_1	0.0682	0.0354	3.7111	0.0541
coff_l1_1_ti	-0.0118	0.0174	0.4574	0.4988
coff_l1_2	0.0744	0.0422	3.1129	0.0777
coff_l1_2_ti	-0.0366	0.0227	2.6094	0.1062
coff_l1_3	0.0392	0.0483	0.6606	0.4163
coff_l1_3_ti	-0.00247	0.0268	0.0085	0.9266
coff_l1_4	-0.0195	0.0217	0.8040	0.3699
coff_l1_4_ti	-0.00423	0.0122	0.1211	0.7279
whgrn_l1_1	-0.2710	0.0333	66.3513	<.0001
whgrn_l1_1_ti	0.0670	0.0184	13.3104	0.0003
whgrn_l1_2	-0.1940	0.0332	34.2135	<.0001
whgrn_l1_2_ti	0.0785	0.0183	18.3029	<.0001
whgrn_l1_3	-0.1147	0.0346	11.0132	0.0009
whgrn_l1_3_ti	0.0495	0.0190	6.7913	0.0092
whgrn_l1_4	-0.0504	0.0357	1.9980	0.1575
whgrn_l1_4_ti	0.0201	0.0195	1.0620	0.3028
soda_l1_1	-0.0180	0.0322	0.3137	0.5754
soda_l1_1_ti	0.00321	0.0133	0.0583	0.8091

soda_l1_2	0.0194	0.0264	0.5394	0.4627
soda_l1_2_ti	-0.00334	0.0110	0.0919	0.7618
soda_l1_3	-0.00415	0.0256	0.0263	0.8712
soda_l1_3_ti	0.00949	0.0112	0.7210	0.3958
soda_l1_4	0.0141	0.0251	0.3151	0.5746
soda_l1_4_ti	-0.00036	0.0115	0.0010	0.9749
cal_l1_1	0.0901	0.0354	6.4641	0.0110
cal_l1_1_ti	-0.1145	0.0195	34.5912	<.0001
cal_l1_2	0.1115	0.0321	12.0346	0.0005
cal_l1_2_ti	-0.0935	0.0179	27.2614	<.0001
cal_l1_3	0.0329	0.0304	1.1722	0.2790
cal_l1_3_ti	-0.0591	0.0172	11.8470	0.0006
cal_l1_4	0.0333	0.0291	1.3081	0.2527
cal_l1_4_ti	-0.0434	0.0167	6.7674	0.0093
alc_l1_1	-0.0617	0.0305	4.0806	0.0434
alc_l1_1_ti	0.0608	0.0142	18.2763	<.0001
alc_l1_2	-0.0103	0.0299	0.1180	0.7312
alc_l1_2_ti	0.0382	0.0153	6.2811	0.0122
alc_l1_3	0.0131	0.0346	0.1433	0.7050
alc_l1_3_ti	0.0162	0.0194	0.6941	0.4048
cig_l2_1	0.0815	0.0451	3.2562	0.0712
cig_l1_1	0.1085	0.0505	4.6167	0.0317
cig_l2_2	0.0804	0.0526	2.3402	0.1261
cig_l1_2	0.0904	0.0576	2.4578	0.1169
cig_l2_3	0.0609	0.0460	1.7469	0.1863
cig_l1_3	0.0698	0.0505	1.9110	0.1668
cig_l2_4	0.0451	0.0408	1.2167	0.2700
cig_l1_4	0.0653	0.0446	2.1399	0.1435
mvi_l2	0.0665	0.00806	67.9695	<.0001
mvi_l1	0.0414	0.00812	26.0388	<.0001
act_l1_1	-2.8856	0.0145	39498.8601	<.0001
act_l1_1_ti	0.7946	0.0122	4228.7008	<.0001

act_l1_2	-0.9683	0.0161	3616.7520	<.0001
act_l1_2_ti	0.2472	0.0142	304.3945	<.0001
act_l1_3	-0.1705	0.0311	29.9875	<.0001
act_l1_3_ti	0.2362	0.0318	55.2535	<.0001
act_l1_4	-0.5598	0.0185	911.4037	<.0001
act_l1_4_ti	0.0864	0.0151	32.8525	<.0001
act_l1_5	0.2525	0.0380	44.1964	<.0001
act_l1_5_ti	0.1876	0.0402	21.7294	<.0001
can_l2	0.0422	0.0297	2.0141	0.1558
can_l1	-0.0658	0.0264	6.2226	0.0126
bmi_l2_1	0.0107	0.0558	0.0367	0.8480
bmi_l1_1	0.1010	0.0510	3.9189	0.0477
bmi_l2_2	0.0269	0.0334	0.6451	0.4219
bmi_l1_2	0.3530	0.0309	130.6013	<.0001
bmi_l2_3	-0.0113	0.0307	0.1347	0.7136
bmi_l1_3	0.3564	0.0285	156.8751	<.0001
bmi_l2_4	-0.0396	0.0283	1.9593	0.1616
bmi_l1_4	0.2807	0.0262	114.9873	<.0001
bmi_l2_5	-0.00396	0.0249	0.0253	0.8737
bmi_l1_5	0.1587	0.0233	46.5337	<.0001
chl_l2	-0.0207	0.0153	1.8356	0.1755
chl_l1	0.0273	0.0148	3.3944	0.0654
hbp_l2	-0.0228	0.0170	1.8043	0.1792
hbp_l1	-0.0593	0.0166	12.7420	0.0004
sta_l1	-0.0158	0.0125	1.5915	0.2071
sta_l1_ti	0.00700	0.0165	0.1793	0.6719
asn_l2_1	0.0512	0.0114	20.1112	<.0001
asn_l1_1	-0.0159	0.0111	2.0480	0.1524
asn_l2_2	0.0655	0.0110	35.5303	<.0001
asn_l1_2	0.0450	0.0108	17.2672	<.0001
angcbg_l2	-0.1402	0.0423	10.9558	0.0009
angcbg_l1	0.0662	0.0385	2.9536	0.0857

str_l2	-0.0123	0.0897	0.0188	0.8911
str_l1	-0.0953	0.0761	1.5676	0.2106
mi_l2	-0.0257	0.0957	0.0719	0.7886
mi_l1	-0.0394	0.0842	0.2187	0.6400
mnp	-0.0352	0.0171	4.2359	0.0396
pmh	0.0253	0.0104	5.9347	0.0148
ost	-0.0242	0.0183	1.7488	0.1860
rpmeats_1	0.1518	0.0203	55.7676	<.0001
rpmeats_1_ti	-0.0844	0.0222	14.4684	0.0001
rpmeats_2	0.0917	0.0179	26.1829	<.0001
rpmeats_2_ti	-0.0627	0.0177	12.5124	0.0004
rpmeats_3	0.0659	0.0172	14.7096	0.0001
rpmeats_3_ti	-0.0466	0.0169	7.5909	0.0059
rpmeats_4	0.0168	0.0161	1.0797	0.2988
rpmeats_4_ti	-0.0299	0.0151	3.8926	0.0485
coff_1	-0.0938	0.0257	13.2975	0.0003
coff_1_ti	-0.0185	0.0170	1.1827	0.2768
coff_2	-0.0591	0.0223	7.0271	0.0080
coff_2_ti	-0.0228	0.0225	1.0267	0.3109
coff_3	0.000105	0.0238	0.0000	0.9965
coff_3_ti	-0.0190	0.0270	0.4949	0.4817
coff_4	-0.0425	0.0132	10.3718	0.0013
coff_4_ti	-0.00097	0.0119	0.0066	0.9354
whgrn_1	-0.1913	0.0186	106.2737	<.0001
whgrn_1_ti	0.0879	0.0181	23.6056	<.0001
whgrn_2	-0.1353	0.0167	65.3500	<.0001
whgrn_2_ti	0.0848	0.0183	21.4000	<.0001
whgrn_3	-0.0821	0.0158	26.8624	<.0001
whgrn_3_ti	0.0407	0.0191	4.5173	0.0336
whgrn_4	-0.0183	0.0152	1.4465	0.2291
whgrn_4_ti	0.0112	0.0198	0.3208	0.5712
soda_1	0.0808	0.0239	11.3889	0.0007

soda_1_ti	-0.0152	0.0107	2.0076	0.1565
soda_2	0.0915	0.0204	20.0964	<.0001
soda_2_ti	-0.0246	0.00883	7.7390	0.0054
soda_3	0.0769	0.0196	15.3833	<.0001
soda_3_ti	-0.0134	0.00894	2.2488	0.1337
soda_4	0.0422	0.0189	5.0066	0.0253
soda_4_ti	-0.00031	0.00927	0.0011	0.9730
cal_1	-0.0102	0.0207	0.2424	0.6224
cal_1_ti	-0.0634	0.0191	11.0140	0.0009
cal_2	0.00801	0.0183	0.1919	0.6613
cal_2_ti	-0.0592	0.0177	11.1229	0.0009
cal_3	0.0104	0.0169	0.3805	0.5373
cal_3_ti	-0.0236	0.0172	1.8914	0.1690
cal_4	0.00446	0.0156	0.0816	0.7751
cal_4_ti	-0.0171	0.0169	1.0308	0.3100
alc_1	-0.2625	0.0216	148.1399	<.0001
alc_1_ti	0.0769	0.0137	31.3240	<.0001
alc_2	-0.1094	0.0197	30.7930	<.0001
alc_2_ti	0.0460	0.0149	9.5591	0.0020
alc_3	-0.0393	0.0199	3.8969	0.0484
alc_3_ti	0.0197	0.0194	1.0240	0.3116
cig_1	0.4550	0.0492	85.5336	<.0001
cig_2	0.3112	0.0568	29.9803	<.0001
cig_3	0.2182	0.0504	18.7149	<.0001
cig_4	0.1065	0.0458	5.4034	0.0201
mvi	0.0149	0.00760	3.8490	0.0498

(V) Log-linear model to estimate the amount of physical activity in women who are physically active

Variable	Parameter Estimate	Standard Error	t Value	P value
Intercept	0.19379	0.11816	1.64	0.1010
fhx	0.00472	0.00534	0.88	0.3769
smkhx	0.03659	0.00487	7.51	<.0001
ochx	-0.01351	0.00453	-2.98	0.0028
employed_1	0.00689	0.00834	0.83	0.4089
employed_2	-0.03355	0.01320	-2.54	0.0110
employed_3	-0.02977	0.00688	-4.32	<.0001
employed_4	0.00690	0.00864	0.80	0.4244
employed_5	-0.00185	0.00634	-0.29	0.7697
employed_6	0.00978	0.00915	1.07	0.2853
employed_miss	-0.05067	0.02954	-1.72	0.0863
mar80	0.02630	0.00801	3.28	0.0010
college	0.00206	0.00468	0.44	0.6606
stress82	-0.02248	0.00498	-4.51	<.0001
stress82_miss	0.02138	0.02739	0.78	0.4351
hhighsch	-0.01903	0.00590	-3.23	0.0013
hcollege	0.02033	0.00626	3.24	0.0012
hgradsch	0.03626	0.00653	5.55	<.0001
lbmi18_2	0.04363	0.00534	8.17	<.0001
lbmi18_3	0.06754	0.00883	7.65	<.0001
lbmi18_4	0.15136	0.02210	6.85	<.0001
baseage	0.03067	0.00451	6.80	<.0001
baseage_sq	-0.00037065	0.00004482	-8.27	<.0001
bmi80_1	0.10857	0.03235	3.36	0.0008
bmi80_2	0.09383	0.02310	4.06	<.0001
bmi80_3	0.06306	0.02227	2.83	0.0046
bmi80_4	0.02909	0.02141	1.36	0.1742
bmi80_5	-0.01334	0.02080	-0.64	0.5214

act80_1	-0.22135	0.00621	-35.63	<.0001
act80_2	-0.17066	0.00701	-24.35	<.0001
act80_3	-0.08514	0.00611	-13.94	<.0001
alc80_1	-0.01050	0.00729	-1.44	0.1502
alc80_2	-0.01094	0.00682	-1.60	0.1088
alc80_3	-0.00643	0.00750	-0.86	0.3911
rpmeats80_1	0.04903	0.01167	4.20	<.0001
rpmeats80_2	0.05977	0.00744	8.03	<.0001
rpmeats80_3	0.01484	0.00641	2.32	0.0205
rpmeats80_4	0.01928	0.00582	3.32	0.0009
coff80_1	-0.00076908	0.00623	-0.12	0.9017
coff80_2	-0.03639	0.00874	-4.16	<.0001
coff80_3	-0.00744	0.01367	-0.54	0.5864
whgrn80_1	0.00079838	0.00619	0.13	0.8974
whgrn80_2	0.01511	0.00650	2.32	0.0202
soda80_1	0.01494	0.00802	1.86	0.0625
soda80_2	-0.02103	0.00707	-2.97	0.0029
soda80_3	-0.01171	0.00696	-1.68	0.0924
soda80_4	0.01158	0.00670	1.73	0.0838
cig80_1	0.01768	0.02055	0.86	0.3896
cig80_2	0.02194	0.02425	0.90	0.3657
cig80_3	0.03636	0.02208	1.65	0.0997
cig80_4	0.02246	0.02014	1.12	0.2648
period_2	-0.26149	0.03104	-8.42	<.0001
period_3	0.19485	0.02703	7.21	<.0001
period_5	-0.21157	0.02689	-7.87	<.0001
period_6	0.07170	0.01179	6.08	<.0001
period_7	0.02882	0.02545	1.13	0.2575
period_8	0.07073	0.01136	6.22	<.0001
period_9	0.09261	0.02567	3.61	0.0003
period_10	-0.04380	0.01117	-3.92	<.0001
period_11	0.16649	0.02547	6.54	<.0001

mnp_l2	0.02880	0.00938	3.07	0.0021
mnp_l1	0.00437	0.01221	0.36	0.7205
pmh_l2	-0.00548	0.00685	-0.80	0.4236
pmh_l1	-0.00709	0.00760	-0.93	0.3509
ost_l2	0.00184	0.01448	0.13	0.8989
ost_l1	0.00536	0.01737	0.31	0.7577
rpmeats_l1_1	0.15455	0.02404	6.43	<.0001
rpmeats_l1_1_ti	-0.04609	0.01313	-3.51	0.0004
rpmeats_l1_2	0.09847	0.01882	5.23	<.0001
rpmeats_l1_2_ti	-0.02754	0.01099	-2.51	0.0122
rpmeats_l1_3	0.08361	0.01766	4.73	<.0001
rpmeats_l1_3_ti	-0.01958	0.01061	-1.85	0.0649
rpmeats_l1_4	0.05275	0.01522	3.46	0.0005
rpmeats_l1_4_ti	-0.01510	0.00976	-1.55	0.1220
coff_l1_1	0.00644	0.02173	0.30	0.7668
coff_l1_1_ti	0.01190	0.01069	1.11	0.2656
coff_l1_2	0.01144	0.02501	0.46	0.6473
coff_l1_2_ti	-0.00661	0.01364	-0.48	0.6281
coff_l1_3	-0.02096	0.02817	-0.74	0.4568
coff_l1_3_ti	-0.00182	0.01603	-0.11	0.9097
coff_l1_4	0.00303	0.01319	0.23	0.8181
coff_l1_4_ti	0.00029251	0.00748	0.04	0.9688
whgrn_l1_1	-0.06199	0.01986	-3.12	0.0018
whgrn_l1_1_ti	0.02487	0.01128	2.21	0.0274
whgrn_l1_2	-0.03870	0.01923	-2.01	0.0442
whgrn_l1_2_ti	0.02194	0.01089	2.02	0.0438
whgrn_l1_3	-0.04403	0.01968	-2.24	0.0252
whgrn_l1_3_ti	0.02544	0.01102	2.31	0.0209
whgrn_l1_4	0.00561	0.01987	0.28	0.7776
whgrn_l1_4_ti	0.00623	0.01107	0.56	0.5735
soda_l1_1	-0.01575	0.02022	-0.78	0.4360
soda_l1_1_ti	0.00629	0.00814	0.77	0.4396

soda_l1_2	-0.03554	0.01670	-2.13	0.0333
soda_l1_2_ti	0.00880	0.00683	1.29	0.1973
soda_l1_3	-0.03051	0.01611	-1.89	0.0583
soda_l1_3_ti	0.00540	0.00693	0.78	0.4358
soda_l1_4	0.01308	0.01570	0.83	0.4049
soda_l1_4_ti	-0.00550	0.00716	-0.77	0.4422
cal_l1_1	0.06586	0.02180	3.02	0.0025
cal_l1_1_ti	-0.01807	0.01211	-1.49	0.1359
cal_l1_2	0.05188	0.01957	2.65	0.0080
cal_l1_2_ti	-0.01432	0.01103	-1.30	0.1942
cal_l1_3	0.02842	0.01856	1.53	0.1257
cal_l1_3_ti	-0.00709	0.01059	-0.67	0.5030
cal_l1_4	0.03216	0.01767	1.82	0.0688
cal_l1_4_ti	-0.01742	0.01025	-1.70	0.0893
alc_l1_1	-0.03070	0.01876	-1.64	0.1017
alc_l1_1_ti	0.02703	0.00872	3.10	0.0019
alc_l1_2	-0.01141	0.01772	-0.64	0.5196
alc_l1_2_ti	0.01336	0.00910	1.47	0.1421
alc_l1_3	-0.01132	0.01978	-0.57	0.5670
alc_l1_3_ti	0.01094	0.01124	0.97	0.3307
cig_l2_1	0.02721	0.03352	0.81	0.4168
cig_l1_1	0.06096	0.03806	1.60	0.1092
cig_l2_2	0.05681	0.03770	1.51	0.1319
cig_l1_2	0.04710	0.04207	1.12	0.2629
cig_l2_3	0.06831	0.03435	1.99	0.0467
cig_l1_3	0.05399	0.03833	1.41	0.1590
cig_l2_4	0.03703	0.03116	1.19	0.2346
cig_l1_4	0.04757	0.03463	1.37	0.1695
mvi_l2	-0.00021619	0.00505	-0.04	0.9658
mvi_l1	0.01077	0.00501	2.15	0.0316
act_l1_1	-1.86810	0.00699	-267.23	<.0001
act_l1_1_ti	0.31773	0.00665	47.77	<.0001

act_l1_2	-1.26685	0.00705	-179.71	<.0001
act_l1_2_ti	0.20730	0.00728	28.46	<.0001
act_l1_3	-0.87208	0.01196	-72.92	<.0001
act_l1_3_ti	0.13368	0.01431	9.34	<.0001
act_l1_4	-0.61735	0.00777	-79.44	<.0001
act_l1_4_ti	0.07923	0.00734	10.79	<.0001
act_l1_5	-0.40737	0.01232	-33.06	<.0001
act_l1_5_ti	0.09225	0.01559	5.92	<.0001
can_l2	-0.01423	0.02007	-0.71	0.4782
can_l1	0.00548	0.01781	0.31	0.7584
bmi_l2_1	-0.02360	0.03917	-0.60	0.5468
bmi_l1_1	0.29249	0.03611	8.10	<.0001
bmi_l2_2	-0.00354	0.02423	-0.15	0.8838
bmi_l1_2	0.27280	0.02213	12.33	<.0001
bmi_l2_3	-0.00923	0.02284	-0.40	0.6860
bmi_l1_3	0.24387	0.02088	11.68	<.0001
bmi_l2_4	-0.01025	0.02150	-0.48	0.6337
bmi_l1_4	0.16846	0.01968	8.56	<.0001
bmi_l2_5	-0.01021	0.01940	-0.53	0.5985
bmi_l1_5	0.07905	0.01792	4.41	<.0001
chl_l2	-0.01802	0.00997	-1.81	0.0707
chl_l1	0.01033	0.00961	1.08	0.2821
hbp_l2	-0.00167	0.01134	-0.15	0.8831
hbp_l1	-0.01229	0.01098	-1.12	0.2628
sta_l1	-0.00638	0.00865	-0.74	0.4608
sta_l1_ti	0.01712	0.01051	1.63	0.1035
asn_l2_1	0.00502	0.00753	0.67	0.5047
asn_l1_1	-0.01449	0.00733	-1.98	0.0480
asn_l2_2	-0.01914	0.00719	-2.66	0.0077
asn_l1_2	-0.02266	0.00702	-3.23	0.0012
angcbg_l2	-0.04314	0.02904	-1.49	0.1374
angcbg_l1	-0.02365	0.02601	-0.91	0.3633

str_l2	0.08182	0.06834	1.20	0.2312
str_l1	-0.17921	0.05785	-3.10	0.0019
mi_l2	-0.01323	0.06762	-0.20	0.8449
mi_l1	0.02580	0.05872	0.44	0.6603
mnp	0.05726	0.01038	5.52	<.0001
pmh	0.02149	0.00650	3.31	0.0009
ost	-0.04972	0.01227	-4.05	<.0001
rpmeats_1	0.16403	0.01318	12.44	<.0001
rpmeats_1_ti	-0.07296	0.01275	-5.72	<.0001
rpmeats_2	0.12278	0.01175	10.45	<.0001
rpmeats_2_ti	-0.04136	0.01063	-3.89	0.0001
rpmeats_3	0.07871	0.01134	6.94	<.0001
rpmeats_3_ti	-0.03352	0.01035	-3.24	0.0012
rpmeats_4	0.05169	0.01077	4.80	<.0001
rpmeats_4_ti	-0.02440	0.00947	-2.58	0.0100
coff_1	-0.02930	0.01661	-1.76	0.0777
coff_1_ti	0.01443	0.01036	1.39	0.1636
coff_2	-0.03818	0.01435	-2.66	0.0078
coff_2_ti	0.00397	0.01341	0.30	0.7675
coff_3	-0.04655	0.01520	-3.06	0.0022
coff_3_ti	0.01569	0.01590	0.99	0.3238
coff_4	-0.00054474	0.00827	-0.07	0.9475
coff_4_ti	0.00265	0.00726	0.36	0.7155
whgrn_1	-0.08046	0.01227	-6.56	<.0001
whgrn_1_ti	0.01129	0.01090	1.04	0.3004
whgrn_2	-0.05807	0.01070	-5.43	<.0001
whgrn_2_ti	0.01174	0.01075	1.09	0.2749
whgrn_3	-0.05215	0.00990	-5.27	<.0001
whgrn_3_ti	0.02892	0.01101	2.63	0.0086
whgrn_4	-0.02282	0.00927	-2.46	0.0139
whgrn_4_ti	-0.00606	0.01116	-0.54	0.5873
soda_1	0.05313	0.01580	3.36	0.0008

soda_1_ti	0.00022693	0.00636	0.04	0.9716
soda_2	0.03068	0.01350	2.27	0.0230
soda_2_ti	0.00497	0.00530	0.94	0.3480
soda_3	0.03341	0.01299	2.57	0.0101
soda_3_ti	-0.00307	0.00537	-0.57	0.5672
soda_4	0.01443	0.01253	1.15	0.2495
soda_4_ti	-0.00532	0.00560	-0.95	0.3416
cal_1	-0.12038	0.01339	-8.99	<.0001
cal_1_ti	0.01188	0.01175	1.01	0.3118
cal_2	-0.07969	0.01169	-6.82	<.0001
cal_2_ti	0.00678	0.01080	0.63	0.5302
cal_3	-0.05803	0.01071	-5.42	<.0001
cal_3_ti	0.01843	0.01045	1.76	0.0779
cal_4	-0.02618	0.00985	-2.66	0.0079
cal_4_ti	-0.00386	0.01024	-0.38	0.7063
alc_1	-0.08495	0.01360	-6.25	<.0001
alc_1_ti	0.01531	0.00834	1.84	0.0664
alc_2	-0.04076	0.01209	-3.37	0.0007
alc_2_ti	0.00291	0.00876	0.33	0.7401
alc_3	-0.01283	0.01188	-1.08	0.2802
alc_3_ti	0.00685	0.01111	0.62	0.5374
cig_1	0.15800	0.03835	4.12	<.0001
cig_2	0.04486	0.04263	1.05	0.2926
cig_3	0.02515	0.03930	0.64	0.5222
cig_4	-0.03254	0.03643	-0.89	0.3717
mvi	0.00244	0.00480	0.51	0.6108

(W) Logistic model to estimate the probability of incident cancer

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-4.9128	0.5681	74.7841	<.0001
fhx	0.000259	0.0245	0.0001	0.9916
smkhx	0.1119	0.0232	23.1931	<.0001
ochx	-0.0156	0.0211	0.5442	0.4607
employed_1	0.0778	0.0382	4.1381	0.0419
employed_2	0.0466	0.0633	0.5414	0.4618
employed_3	0.0157	0.0317	0.2448	0.6208
employed_4	0.0930	0.0407	5.2278	0.0222
employed_5	0.00687	0.0291	0.0559	0.8131
employed_6	0.0932	0.0420	4.9235	0.0265
employed_miss	-0.1236	0.1421	0.7563	0.3845
mar80	0.0128	0.0361	0.1247	0.7240
college	0.0486	0.0225	4.6652	0.0308
stress82	0.0179	0.0233	0.5886	0.4430
stress82_miss	-0.0498	0.1316	0.1431	0.7052
hhighsch	-0.1241	0.0269	21.3441	<.0001
hcollege	-0.0835	0.0292	8.1860	0.0042
hgradsch	-0.1067	0.0312	11.6963	0.0006
lbmi18_2	-0.0486	0.0248	3.8498	0.0498
lbmi18_3	-0.1515	0.0407	13.8496	0.0002
lbmi18_4	-0.2165	0.0970	4.9844	0.0256
baseage	-0.00092	0.0217	0.0018	0.9661
baseage_sq	0.000307	0.000211	2.1177	0.1456
bmi80_1	-0.1318	0.1374	0.9202	0.3374
bmi80_2	-0.1105	0.0885	1.5596	0.2117
bmi80_3	-0.1219	0.0841	2.1016	0.1471
bmi80_4	-0.1440	0.0797	3.2645	0.0708
bmi80_5	-0.1431	0.0770	3.4535	0.0631
act80_1	0.00312	0.0281	0.0124	0.9115

act80_2	-0.0445	0.0334	1.7687	0.1835
act80_3	0.0196	0.0291	0.4553	0.4998
alc80_1	-0.0909	0.0334	7.4202	0.0064
alc80_2	0.00194	0.0316	0.0038	0.9511
alc80_3	0.0163	0.0351	0.2155	0.6425
rpmeats80_1	-0.0673	0.0559	1.4504	0.2285
rpmeats80_2	0.0130	0.0346	0.1409	0.7074
rpmeats80_3	0.0202	0.0298	0.4591	0.4980
rpmeats80_4	-0.0347	0.0274	1.6024	0.2056
coff80_1	0.0642	0.0284	5.1098	0.0238
coff80_2	-0.00185	0.0421	0.0019	0.9650
coff80_3	0.1103	0.0618	3.1903	0.0741
whgrn80_1	0.0205	0.0288	0.5104	0.4750
whgrn80_2	-0.0211	0.0306	0.4775	0.4896
soda80_1	0.0264	0.0366	0.5181	0.4716
soda80_2	0.00140	0.0329	0.0018	0.9660
soda80_3	-0.0160	0.0329	0.2365	0.6268
soda80_4	0.0302	0.0314	0.9276	0.3355
cig80_1	-0.3533	0.0720	24.0766	<.0001
cig80_2	-0.2719	0.0937	8.4250	0.0037
cig80_3	-0.4100	0.0810	25.6185	<.0001
cig80_4	-0.2190	0.0693	9.9843	0.0016
period_2	-0.4587	0.1688	7.3842	0.0066
period_3	-0.1736	0.1274	1.8591	0.1727
period_4	-0.1860	0.1033	3.2457	0.0716
period_5	-0.1348	0.1240	1.1820	0.2770
period_6	-0.1631	0.0521	9.8012	0.0017
period_7	-0.0323	0.1096	0.0868	0.7683
period_8	0.0796	0.0474	2.8198	0.0931
period_9	0.1275	0.1093	1.3596	0.2436
period_10	0.00244	0.0447	0.0030	0.9564
period_11	-0.2757	0.1094	6.3449	0.0118

mnp_l2	-0.1258	0.0482	6.8206	0.0090
mnp_l1	-0.6308	0.0582	117.3874	<.0001
pmh_l2	0.3077	0.0312	97.5912	<.0001
pmh_l1	0.9536	0.0322	876.9201	<.0001
ost_l2	-0.0141	0.0594	0.0560	0.8130
ost_l1	-0.0483	0.0720	0.4501	0.5023
rpmeats_l1_1	0.0373	0.1492	0.0626	0.8025
rpmeats_l1_1_ti	-0.0650	0.0771	0.7112	0.3990
rpmeats_l1_2	-0.0810	0.1208	0.4503	0.5022
rpmeats_l1_2_ti	-0.0133	0.0641	0.0430	0.8358
rpmeats_l1_3	0.0480	0.1111	0.1869	0.6656
rpmeats_l1_3_ti	-0.0462	0.0599	0.5956	0.4403
rpmeats_l1_4	-0.0491	0.0973	0.2550	0.6136
rpmeats_l1_4_ti	0.0130	0.0537	0.0588	0.8084
coff_l1_1	-0.0982	0.1246	0.6208	0.4308
coff_l1_1_ti	-0.0772	0.0614	1.5802	0.2087
coff_l1_2	-0.2555	0.1653	2.3900	0.1221
coff_l1_2_ti	0.0302	0.0852	0.1255	0.7231
coff_l1_3	0.0709	0.1734	0.1672	0.6826
coff_l1_3_ti	-0.0489	0.0917	0.2838	0.5942
coff_l1_4	-0.0534	0.0833	0.4112	0.5214
coff_l1_4_ti	0.00962	0.0438	0.0482	0.8263
whgrn_l1_1	0.0263	0.1234	0.0454	0.8313
whgrn_l1_1_ti	-0.0238	0.0647	0.1348	0.7135
whgrn_l1_2	0.0559	0.1227	0.2078	0.6485
whgrn_l1_2_ti	-0.0302	0.0645	0.2195	0.6395
whgrn_l1_3	0.0252	0.1275	0.0389	0.8436
whgrn_l1_3_ti	-0.0280	0.0669	0.1749	0.6758
whgrn_l1_4	0.0299	0.1299	0.0529	0.8182
whgrn_l1_4_ti	-0.0593	0.0682	0.7553	0.3848
soda_l1_1	0.1276	0.0935	1.8631	0.1723
soda_l1_1_ti	-0.0156	0.0332	0.2192	0.6396

soda_l1_2	0.0987	0.0785	1.5806	0.2087
soda_l1_2_ti	-0.00324	0.0278	0.0135	0.9074
soda_l1_3	0.1715	0.0791	4.7026	0.0301
soda_l1_3_ti	-0.0762	0.0293	6.7726	0.0093
soda_l1_4	0.1008	0.0775	1.6931	0.1932
soda_l1_4_ti	-0.0263	0.0294	0.8016	0.3706
cal_l1_1	-0.1076	0.1337	0.6479	0.4209
cal_l1_1_ti	0.1311	0.0698	3.5275	0.0604
cal_l1_2	-0.1208	0.1219	0.9809	0.3220
cal_l1_2_ti	0.0990	0.0643	2.3697	0.1237
cal_l1_3	-0.0945	0.1151	0.6734	0.4119
cal_l1_3_ti	0.0864	0.0612	1.9948	0.1578
cal_l1_4	-0.0651	0.1102	0.3489	0.5548
cal_l1_4_ti	0.0661	0.0591	1.2517	0.2632
alc_l1_1	-0.3380	0.1056	10.2354	0.0014
alc_l1_1_ti	-0.0510	0.0500	1.0381	0.3083
alc_l1_2	-0.3443	0.1076	10.2284	0.0014
alc_l1_2_ti	0.0383	0.0539	0.5057	0.4770
alc_l1_3	-0.0588	0.1235	0.2268	0.6339
alc_l1_3_ti	-0.0714	0.0655	1.1879	0.2757
cig_l2_1	-0.0958	0.1321	0.5256	0.4685
cig_l1_1	-0.9483	0.1438	43.4942	<.0001
cig_l2_2	-0.0861	0.1560	0.3044	0.5811
cig_l1_2	-0.5103	0.1669	9.3430	0.0022
cig_l2_3	0.0752	0.1358	0.3069	0.5796
cig_l1_3	-0.4195	0.1478	8.0538	0.0045
cig_l2_4	0.1476	0.1205	1.4990	0.2208
cig_l1_4	-0.1785	0.1313	1.8476	0.1741
mvi_l2	0.0252	0.0228	1.2181	0.2697
mvi_l1	-0.0637	0.0246	6.7116	0.0096
act_l1_1	-0.1841	0.0409	20.2433	<.0001
act_l1_1_ti	0.0122	0.0373	0.1071	0.7434

act_l1_2	-0.1433	0.0445	10.3834	0.0013
act_l1_2_ti	0.00892	0.0447	0.0398	0.8418
act_l1_3	-0.1007	0.0764	1.7368	0.1875
act_l1_3_ti	-0.0245	0.0929	0.0695	0.7920
act_l1_4	-0.0838	0.0483	3.0146	0.0825
act_l1_4_ti	-0.00957	0.0460	0.0432	0.8353
act_l1_5	-0.1317	0.0806	2.6717	0.1021
act_l1_5_ti	0.0810	0.0978	0.6851	0.4078
bmi_l2_1	-0.5268	0.1706	9.5347	0.0020
bmi_l1_1	0.2430	0.1477	2.7068	0.0999
bmi_l2_2	-0.1380	0.0997	1.9160	0.1663
bmi_l1_2	0.0458	0.0944	0.2355	0.6275
bmi_l2_3	-0.1955	0.0920	4.5159	0.0336
bmi_l1_3	0.1182	0.0872	1.8377	0.1752
bmi_l2_4	-0.1710	0.0847	4.0718	0.0436
bmi_l1_4	0.1141	0.0805	2.0127	0.1560
bmi_l2_5	-0.0783	0.0744	1.1053	0.2931
bmi_l1_5	0.1077	0.0713	2.2804	0.1310
chl_l2	0.0561	0.0453	1.5334	0.2156
chl_l1	-0.0660	0.0440	2.2580	0.1329
hbp_l2	0.0317	0.0496	0.4100	0.5220
hbp_l1	0.0195	0.0487	0.1606	0.6886
sta_l1	-0.00373	0.0348	0.0115	0.9145
sta_l1_ti	0.0816	0.0454	3.2397	0.0719
asn_l2_1	-0.0186	0.0330	0.3172	0.5733
asn_l1_1	0.00622	0.0319	0.0380	0.8455
asn_l2_2	-0.00564	0.0315	0.0319	0.8582
asn_l1_2	-0.0205	0.0311	0.4339	0.5101
angcbg_l2	0.0670	0.1168	0.3288	0.5664
angcbg_l1	0.0182	0.1072	0.0287	0.8655
str_l2	-0.1981	0.2404	0.6793	0.4098
str_l1	0.00894	0.1975	0.0020	0.9639

mi_l2	0.1187	0.2842	0.1745	0.6761
mi_l1	-0.3456	0.2535	1.8589	0.1727
mnp	1.1070	0.0517	458.8676	<.0001
pmh	-1.7185	0.0307	3131.5949	<.0001
ost	0.0552	0.0509	1.1743	0.2785
rpmeats_1	0.0441	0.0575	0.5874	0.4434
rpmeats_1_ti	-0.0159	0.0783	0.0410	0.8395
rpmeats_2	0.0451	0.0517	0.7604	0.3832
rpmeats_2_ti	0.0426	0.0658	0.4193	0.5173
rpmeats_3	-0.00733	0.0502	0.0214	0.8837
rpmeats_3_ti	0.0129	0.0622	0.0432	0.8353
rpmeats_4	0.00414	0.0479	0.0075	0.9310
rpmeats_4_ti	0.0408	0.0566	0.5202	0.4707
coff_1	0.3738	0.0699	28.5837	<.0001
coff_1_ti	-0.0958	0.0621	2.3777	0.1231
coff_2	0.3809	0.0602	40.0134	<.0001
coff_2_ti	-0.0676	0.0865	0.6110	0.4344
coff_3	0.1120	0.0677	2.7365	0.0981
coff_3_ti	-0.0587	0.0945	0.3860	0.5344
coff_4	0.1007	0.0382	6.9335	0.0085
coff_4_ti	0.00197	0.0448	0.0019	0.9650
whgrn_1	-0.0880	0.0532	2.7389	0.0979
whgrn_1_ti	-0.0211	0.0661	0.1018	0.7497
whgrn_2	-0.0236	0.0468	0.2552	0.6134
whgrn_2_ti	-0.0404	0.0660	0.3735	0.5411
whgrn_3	-0.0229	0.0440	0.2705	0.6030
whgrn_3_ti	-0.0103	0.0685	0.0227	0.8803
whgrn_4	0.0296	0.0410	0.5209	0.4704
whgrn_4_ti	-0.0441	0.0697	0.3999	0.5271
soda_1	-0.0460	0.0630	0.5347	0.4646
soda_1_ti	-0.0459	0.0339	1.8279	0.1764
soda_2	0.0460	0.0538	0.7303	0.3928

soda_2_ti	-0.0648	0.0286	5.1545	0.0232
soda_3	0.0746	0.0518	2.0749	0.1497
soda_3_ti	-0.0987	0.0303	10.5904	0.0011
soda_4	0.0104	0.0505	0.0424	0.8369
soda_4_ti	-0.0488	0.0305	2.5666	0.1091
cal_1	-0.1443	0.0583	6.1278	0.0133
cal_1_ti	0.1158	0.0708	2.6705	0.1022
cal_2	-0.1115	0.0516	4.6709	0.0307
cal_2_ti	0.0978	0.0656	2.2217	0.1361
cal_3	-0.0873	0.0476	3.3643	0.0666
cal_3_ti	0.0899	0.0628	2.0511	0.1521
cal_4	-0.0634	0.0442	2.0628	0.1509
cal_4_ti	0.0558	0.0611	0.8356	0.3607
alc_1	0.4351	0.0592	54.0689	<.0001
alc_1_ti	-0.0540	0.0506	1.1386	0.2860
alc_2	0.2942	0.0543	29.3801	<.0001
alc_2_ti	0.0118	0.0550	0.0463	0.8296
alc_3	0.1438	0.0558	6.6464	0.0099
alc_3_ti	-0.0309	0.0675	0.2091	0.6475
cig_1	1.4126	0.1510	87.4855	<.0001
cig_2	0.7148	0.1783	16.0814	<.0001
cig_3	0.3414	0.1616	4.4608	0.0347
cig_4	0.0167	0.1503	0.0123	0.9117
mvi	0.1247	0.0237	27.6136	<.0001
act_1	0.2863	0.0391	53.5006	<.0001
act_1_ti	-0.0436	0.0504	0.7499	0.3865
act_2	0.1324	0.0423	9.8072	0.0017
act_2_ti	0.0313	0.0588	0.2834	0.5945
act_3	0.00287	0.0750	0.0015	0.9695
act_3_ti	-0.0874	0.1162	0.5660	0.4519
act_4	0.0822	0.0459	3.2056	0.0734
act_4_ti	0.0224	0.0695	0.1043	0.7467

act_5	0.0906	0.0741	1.4957	0.2213
act_5_ti	-0.0570	0.1188	0.2298	0.6316

(X) Log-linear model to estimate body mass index (BMI)

Variable	Parameter estimate	Standard error	t value	P value
Intercept	3.6582	0.0047	777.71	<.0001
fhx	0.0010	0.0002	4.76	<.0001
smkhx	0.0012	0.0002	5.94	<.0001
ochx	0.0007	0.0002	3.90	<.0001
employed_1	0.0007	0.0003	1.95	0.0516
employed_2	0.0011	0.0005	2.14	0.0327
employed_3	-0.0002	0.0003	-0.59	0.5549
employed_4	0.0010	0.0004	2.78	0.0055
employed_5	0.0006	0.0003	2.23	0.0259
employed_6	0.0010	0.0004	2.81	0.0050
employed_miss	0.0034	0.0012	2.82	0.0049
mar80	-0.0034	0.0003	-10.79	<.0001
college	-0.0001	0.0002	-0.68	0.4970
stress82	0.0008	0.0002	3.74	0.0002
stress82_miss	-0.0013	0.0011	-1.20	0.2305
hhighsch	0.0002	0.0002	1.01	0.3117
hcollege	-0.0003	0.0003	-1.16	0.2458
hgradsch	-0.0004	0.0003	-1.40	0.1611
lbmi18_2	0.0020	0.0002	9.28	<.0001
lbmi18_3	0.0027	0.0003	7.80	<.0001
lbmi18_4	0.0118	0.0008	14.67	<.0001
baseage	0.0004	0.0002	2.05	0.0408
baseage_sq	0.0000	0.0000	-10.50	<.0001
bmi80_1	-0.1204	0.0012	-101.29	<.0001
bmi80_2	-0.0848	0.0008	-106.16	<.0001
bmi80_3	-0.0687	0.0008	-90.29	<.0001
bmi80_4	-0.0474	0.0007	-65.58	<.0001
bmi80_5	-0.0317	0.0007	-45.60	<.0001

act80_1	-0.0007	0.0002	-2.69	0.0071
act80_2	-0.0007	0.0003	-2.26	0.0238
act80_3	-0.0006	0.0003	-2.30	0.0216
alc80_1	0.0021	0.0003	7.26	<.0001
alc80_2	0.0022	0.0003	7.95	<.0001
alc80_3	0.0017	0.0003	5.42	<.0001
rpmeats80_1	0.0025	0.0005	5.16	<.0001
rpmeats80_2	0.0008	0.0003	2.68	0.0073
rpmeats80_3	0.0003	0.0003	0.97	0.3318
rpmeats80_4	0.0004	0.0002	1.55	0.1212
coff80_1	0.0011	0.0002	4.53	<.0001
coff80_2	0.0006	0.0004	1.56	0.1188
coff80_3	0.0003	0.0006	0.59	0.5519
whgrn80_1	0.0011	0.0003	4.35	<.0001
whgrn80_2	0.0011	0.0003	4.06	<.0001
soda80_1	-0.0022	0.0003	-6.85	<.0001
soda80_2	-0.0020	0.0003	-7.11	<.0001
soda80_3	-0.0011	0.0003	-3.96	<.0001
soda80_4	-0.0004	0.0003	-1.64	0.1019
cig80_1	-0.0080	0.0007	-11.21	<.0001
cig80_2	-0.0046	0.0009	-5.17	<.0001
cig80_3	0.0012	0.0008	1.60	0.1090
cig80_4	0.0006	0.0007	0.82	0.4096
period_2	0.0135	0.0013	10.26	<.0001
period_3	0.0071	0.0011	6.60	<.0001
period_4	0.0156	0.0008	18.51	<.0001
period_5	0.0147	0.0011	13.89	<.0001
period_6	0.0187	0.0005	40.37	<.0001
period_7	0.0088	0.0009	9.24	<.0001
period_8	0.0116	0.0004	26.17	<.0001
period_9	0.0070	0.0010	7.34	<.0001
period_10	0.0052	0.0004	12.19	<.0001

period_11	-0.0070	0.0010	-7.38	<.0001
mnp_l2	-0.0005	0.0004	-1.32	0.1882
mnp_l1	0.0007	0.0005	1.41	0.1579
pmh_l2	0.0009	0.0003	3.35	0.0008
pmh_l1	-0.0002	0.0003	-0.52	0.6060
ost_l2	-0.0016	0.0006	-2.87	0.0041
ost_l1	0.0017	0.0007	2.51	0.0120
rpmeats_l1_1	0.0082	0.0011	7.35	<.0001
rpmeats_l1_1_ti	-0.0019	0.0006	-3.22	0.0013
rpmeats_l1_2	0.0045	0.0009	5.27	<.0001
rpmeats_l1_2_ti	-0.0009	0.0005	-1.87	0.0609
rpmeats_l1_3	0.0028	0.0008	3.44	0.0006
rpmeats_l1_3_ti	-0.0006	0.0004	-1.38	0.1684
rpmeats_l1_4	0.0001	0.0007	0.10	0.9211
rpmeats_l1_4_ti	0.0003	0.0004	0.79	0.4268
coff_l1_1	-0.0036	0.0009	-3.78	0.0002
coff_l1_1_ti	0.0017	0.0005	3.72	0.0002
coff_l1_2	-0.0036	0.0012	-3.10	0.0020
coff_l1_2_ti	0.0018	0.0006	3.03	0.0025
coff_l1_3	-0.0003	0.0013	-0.26	0.7956
coff_l1_3_ti	-0.0002	0.0007	-0.26	0.7922
coff_l1_4	-0.0019	0.0006	-3.16	0.0016
coff_l1_4_ti	0.0002	0.0003	0.74	0.4613
whgrn_l1_1	-0.0044	0.0009	-4.85	<.0001
whgrn_l1_1_ti	0.0001	0.0005	0.18	0.8602
whgrn_l1_2	-0.0030	0.0009	-3.30	0.0010
whgrn_l1_2_ti	-0.0002	0.0005	-0.32	0.7515
whgrn_l1_3	-0.0024	0.0009	-2.59	0.0095
whgrn_l1_3_ti	0.0001	0.0005	0.24	0.8105
whgrn_l1_4	-0.0010	0.0009	-1.07	0.2845
whgrn_l1_4_ti	0.0000	0.0005	-0.06	0.9521
soda_l1_1	-0.0025	0.0008	-3.16	0.0016

soda_l1_1_ti	0.0006	0.0003	2.23	0.0256
soda_l1_2	-0.0016	0.0007	-2.42	0.0154
soda_l1_2_ti	0.0004	0.0002	1.60	0.1101
soda_l1_3	-0.0010	0.0006	-1.59	0.1127
soda_l1_3_ti	0.0002	0.0002	0.91	0.3627
soda_l1_4	-0.0008	0.0006	-1.26	0.2062
soda_l1_4_ti	-0.0001	0.0002	-0.22	0.8248
cal_l1_1	0.0064	0.0010	6.49	<.0001
cal_l1_1_ti	-0.0005	0.0005	-0.97	0.3324
cal_l1_2	0.0048	0.0009	5.37	<.0001
cal_l1_2_ti	-0.0006	0.0005	-1.27	0.2054
cal_l1_3	0.0042	0.0008	4.92	<.0001
cal_l1_3_ti	-0.0009	0.0005	-2.01	0.0440
cal_l1_4	0.0028	0.0008	3.43	0.0006
cal_l1_4_ti	-0.0010	0.0004	-2.22	0.0261
alc_l1_1	0.0033	0.0008	4.02	<.0001
alc_l1_1_ti	0.0017	0.0004	4.45	<.0001
alc_l1_2	0.0021	0.0008	2.59	0.0096
alc_l1_2_ti	0.0021	0.0004	5.14	<.0001
alc_l1_3	0.0007	0.0009	0.71	0.4791
alc_l1_3_ti	0.0016	0.0005	3.19	0.0014
cig_l2_1	-0.0163	0.0012	-14.07	<.0001
cig_l1_1	-0.0108	0.0013	-8.16	<.0001
cig_l2_2	-0.0122	0.0014	-9.06	<.0001
cig_l1_2	-0.0085	0.0015	-5.70	<.0001
cig_l2_3	-0.0070	0.0012	-5.90	<.0001
cig_l1_3	-0.0061	0.0013	-4.62	<.0001
cig_l2_4	-0.0027	0.0011	-2.61	0.0091
cig_l1_4	-0.0028	0.0012	-2.38	0.0172
mvi_l2	0.0007	0.0002	3.52	0.0004
mvi_l1	0.0005	0.0002	2.25	0.0244
act_l1_1	-0.0053	0.0004	-14.67	<.0001

act_l1_1_ti	0.0002	0.0003	0.74	0.4599
act_l1_2	-0.0034	0.0004	-8.87	<.0001
act_l1_2_ti	-0.0002	0.0004	-0.52	0.6059
act_l1_3	-0.0028	0.0006	-4.30	<.0001
act_l1_3_ti	0.0004	0.0007	0.52	0.6021
act_l1_4	-0.0015	0.0004	-3.53	0.0004
act_l1_4_ti	-0.0003	0.0004	-0.96	0.3381
act_l1_5	-0.0002	0.0007	-0.28	0.7788
act_l1_5_ti	-0.0011	0.0008	-1.30	0.1924
can_l2	-0.0039	0.0008	-5.02	<.0001
can_l1	0.0131	0.0009	14.35	<.0001
bmi_l2_1	-0.2341	0.0015	-161.60	<.0001
bmi_l1_1	-0.4707	0.0013	-353.51	<.0001
bmi_l2_2	-0.1786	0.0009	-203.22	<.0001
bmi_l1_2	-0.3487	0.0008	-428.01	<.0001
bmi_l2_3	-0.1420	0.0008	-174.35	<.0001
bmi_l1_3	-0.2675	0.0008	-353.44	<.0001
bmi_l2_4	-0.0993	0.0008	-131.72	<.0001
bmi_l1_4	-0.1880	0.0007	-268.19	<.0001
bmi_l2_5	-0.0510	0.0007	-76.71	<.0001
bmi_l1_5	-0.0901	0.0006	-144.27	<.0001
chl_l2	0.0014	0.0004	3.74	0.0002
chl_l1	-0.0003	0.0004	-0.70	0.4848
hbp_l2	-0.0008	0.0004	-1.78	0.0751
hbp_l1	0.0033	0.0004	7.66	<.0001
sta_l1	0.0039	0.0003	11.74	<.0001
sta_l1_ti	-0.0001	0.0004	-0.24	0.8094
asn_l2_1	0.0016	0.0003	5.25	<.0001
asn_l1_1	0.0000	0.0003	0.12	0.9054
asn_l2_2	0.0010	0.0003	3.50	0.0005
asn_l1_2	0.0002	0.0003	0.69	0.4895
angcbg_l2	-0.0038	0.0011	-3.43	0.0006

angcbg_l1	0.0021	0.0010	2.06	0.0395
str_l2	-0.0010	0.0024	-0.43	0.6702
str_l1	-0.0008	0.0020	-0.41	0.6814
mi_l2	0.0028	0.0025	1.11	0.2687
mi_l1	-0.0049	0.0022	-2.22	0.0262
mnp	0.0037	0.0004	8.58	<.0001
pmh	-0.0014	0.0003	-5.41	<.0001
ost	-0.0049	0.0005	-10.15	<.0001
rpmeats_1	-0.0131	0.0005	-26.53	<.0001
rpmeats_1_ti	0.0003	0.0006	0.57	0.5654
rpmeats_2	-0.0074	0.0004	-16.92	<.0001
rpmeats_2_ti	0.0004	0.0005	0.80	0.4249
rpmeats_3	-0.0042	0.0004	-10.00	<.0001
rpmeats_3_ti	0.0002	0.0005	0.49	0.6243
rpmeats_4	-0.0024	0.0004	-6.09	<.0001
rpmeats_4_ti	0.0010	0.0004	2.45	0.0142
coff_1	-0.0021	0.0006	-3.39	0.0007
coff_1_ti	0.0013	0.0005	2.71	0.0067
coff_2	-0.0015	0.0005	-2.72	0.0065
coff_2_ti	0.0017	0.0006	2.74	0.0061
coff_3	0.0003	0.0006	0.50	0.6150
coff_3_ti	-0.0005	0.0007	-0.65	0.5162
coff_4	0.0010	0.0003	3.31	0.0009
coff_4_ti	-0.0001	0.0003	-0.33	0.7415
whgrn_1	0.0009	0.0005	2.00	0.0453
whgrn_1_ti	0.0005	0.0005	1.00	0.3157
whgrn_2	0.0026	0.0004	6.40	<.0001
whgrn_2_ti	-0.0004	0.0005	-0.90	0.3706
whgrn_3	0.0026	0.0004	6.90	<.0001
whgrn_3_ti	0.0000	0.0005	0.09	0.9300
whgrn_4	0.0020	0.0004	5.47	<.0001
whgrn_4_ti	-0.0003	0.0005	-0.55	0.5857

soda_1	-0.0074	0.0006	-13.28	<.0001
soda_1_ti	0.0018	0.0003	6.54	<.0001
soda_2	-0.0049	0.0005	-10.48	<.0001
soda_2_ti	0.0010	0.0002	4.36	<.0001
soda_3	-0.0029	0.0004	-6.44	<.0001
soda_3_ti	0.0005	0.0002	2.03	0.0425
soda_4	-0.0016	0.0004	-3.75	0.0002
soda_4_ti	0.0003	0.0002	1.39	0.1635
cal_1	-0.0018	0.0005	-3.59	0.0003
cal_1_ti	-0.0007	0.0005	-1.26	0.2092
cal_2	-0.0017	0.0004	-3.81	0.0001
cal_2_ti	-0.0008	0.0005	-1.67	0.0941
cal_3	-0.0014	0.0004	-3.44	0.0006
cal_3_ti	-0.0009	0.0005	-1.96	0.0498
cal_4	-0.0010	0.0004	-2.68	0.0073
cal_4_ti	-0.0010	0.0005	-2.15	0.0317
alc_1	-0.0057	0.0005	-10.99	<.0001
alc_1_ti	0.0019	0.0004	5.10	<.0001
alc_2	-0.0031	0.0005	-6.61	<.0001
alc_2_ti	0.0019	0.0004	4.74	<.0001
alc_3	-0.0021	0.0005	-4.36	<.0001
alc_3_ti	0.0013	0.0005	2.48	0.0132
cig_1	0.0436	0.0013	33.75	<.0001
cig_2	0.0247	0.0015	16.69	<.0001
cig_3	0.0095	0.0013	7.14	<.0001
cig_4	0.0018	0.0012	1.46	0.1456
mvi	-0.0022	0.0002	-11.43	<.0001
act_1	0.0128	0.0003	39.58	<.0001
act_1_ti	-0.0033	0.0004	-8.08	<.0001
act_2	0.0106	0.0003	30.66	<.0001
act_2_ti	-0.0030	0.0005	-6.38	<.0001
act_3	0.0082	0.0006	14.14	<.0001

act_3_ti	-0.0021	0.0008	-2.53	0.0115
act_4	0.0056	0.0004	14.99	<.0001
act_4_ti	-0.0005	0.0006	-0.98	0.3268
act_5	0.0045	0.0006	7.49	<.0001
act_5_ti	-0.0020	0.0009	-2.22	0.0264
can	-0.0114	0.0006	-18.36	<.0001

(Y) Logistic model to estimate the probability of incident high serum cholesterol

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-5.6020	0.3235	299.9054	<.0001
fhx	0.0690	0.0142	23.6488	<.0001
smkhx	0.0273	0.0135	4.0883	0.0432
ochx	-0.00020	0.0123	0.0003	0.9870
employed_1	0.0146	0.0229	0.4066	0.5237
employed_2	-0.0298	0.0361	0.6804	0.4094
employed_3	0.00796	0.0184	0.1882	0.6644
employed_4	0.0136	0.0239	0.3246	0.5689
employed_5	0.0360	0.0170	4.4590	0.0347
employed_6	-0.0324	0.0254	1.6187	0.2033
employed_miss	0.0892	0.0814	1.2005	0.2732
mar80	0.00246	0.0216	0.0129	0.9094
college	-0.0614	0.0132	21.6805	<.0001
stress82	0.0975	0.0137	50.5951	<.0001
stress82_miss	-0.0124	0.0756	0.0267	0.8702
hhighsch	0.1121	0.0158	50.4324	<.0001
hcollege	0.0964	0.0172	31.3343	<.0001
hgradsch	0.0632	0.0184	11.8162	0.0006
lbmi18_2	-0.1303	0.0144	82.1332	<.0001
lbmi18_3	-0.2180	0.0230	90.0860	<.0001
lbmi18_4	-0.3275	0.0552	35.2348	<.0001

baseage	0.0982	0.0125	61.9380	<.0001
baseage_sq	-0.00094	0.000123	57.8843	<.0001
bmi80_1	0.3962	0.0862	21.1084	<.0001
bmi80_2	0.3092	0.0561	30.3163	<.0001
bmi80_3	0.2437	0.0534	20.8309	<.0001
bmi80_4	0.1624	0.0508	10.2348	0.0014
bmi80_5	0.1155	0.0481	5.7646	0.0164
act80_1	0.0886	0.0166	28.4630	<.0001
act80_2	0.0695	0.0193	12.9273	0.0003
act80_3	0.0354	0.0171	4.2573	0.0391
alc80_1	-0.00902	0.0204	0.1962	0.6578
alc80_2	0.0100	0.0192	0.2730	0.6013
alc80_3	-0.0291	0.0212	1.8940	0.1688
rpmeats80_1	-0.1052	0.0346	9.2459	0.0024
rpmeats80_2	-0.0254	0.0209	1.4765	0.2243
rpmeats80_3	-0.0322	0.0176	3.3496	0.0672
rpmeats80_4	0.00670	0.0157	0.1816	0.6700
coff80_1	0.0329	0.0170	3.7415	0.0531
coff80_2	0.0366	0.0240	2.3243	0.1274
coff80_3	0.0511	0.0368	1.9324	0.1645
whgrn80_1	0.0204	0.0170	1.4404	0.2301
whgrn80_2	-0.00558	0.0181	0.0950	0.7579
soda80_1	-0.1051	0.0222	22.4144	<.0001
soda80_2	-0.0411	0.0192	4.5689	0.0326
soda80_3	-0.0469	0.0188	6.2252	0.0126
soda80_4	-0.0353	0.0179	3.9025	0.0482
cig80_1	0.1039	0.0501	4.3043	0.0380
cig80_2	0.1223	0.0619	3.9084	0.0480
cig80_3	0.1062	0.0540	3.8654	0.0493
cig80_4	0.1108	0.0475	5.4376	0.0197
period_2	-0.5575	0.0993	31.5359	<.0001
period_3	0.5953	0.0689	74.5844	<.0001

period_4	0.8264	0.0509	263.8724	<.0001
period_5	0.4229	0.0721	34.4287	<.0001
period_6	-0.0956	0.0366	6.8317	0.0090
period_7	0.0839	0.0647	1.6801	0.1949
period_8	-0.3239	0.0374	74.8975	<.0001
period_9	-0.2033	0.0665	9.3568	0.0022
period_10	-0.0641	0.0363	3.1223	0.0772
period_11	0.1326	0.0659	4.0474	0.0442
mnp_l2	-0.0322	0.0232	1.9316	0.1646
mnp_l1	0.0875	0.0296	8.7593	0.0031
pmh_l2	-0.0130	0.0196	0.4375	0.5083
pmh_l1	-0.0742	0.0214	11.9898	0.0005
ost_l2	-0.0898	0.0440	4.1599	0.0414
ost_l1	-0.2680	0.0499	28.9013	<.0001
rpmeats_l1_1	-0.1354	0.0869	2.4292	0.1191
rpmeats_l1_1_ti	-0.0911	0.0451	4.0789	0.0434
rpmeats_l1_2	-0.1085	0.0688	2.4841	0.1150
rpmeats_l1_2_ti	-0.0701	0.0366	3.6713	0.0554
rpmeats_l1_3	-0.0331	0.0646	0.2622	0.6086
rpmeats_l1_3_ti	-0.0459	0.0347	1.7541	0.1854
rpmeats_l1_4	-0.0372	0.0562	0.4389	0.5077
rpmeats_l1_4_ti	-0.0335	0.0307	1.1921	0.2749
coff_l1_1	0.0215	0.0752	0.0818	0.7748
coff_l1_1_ti	-0.0209	0.0374	0.3119	0.5765
coff_l1_2	0.0112	0.0922	0.0146	0.9037
coff_l1_2_ti	-0.00919	0.0480	0.0366	0.8483
coff_l1_3	-0.00457	0.1058	0.0019	0.9655
coff_l1_3_ti	-0.0144	0.0563	0.0654	0.7981
coff_l1_4	0.0614	0.0476	1.6675	0.1966
coff_l1_4_ti	-0.0422	0.0251	2.8274	0.0927
whgrn_l1_1	0.0867	0.0707	1.5018	0.2204
whgrn_l1_1_ti	0.0593	0.0373	2.5357	0.1113

whgrn_l1_2	0.0761	0.0702	1.1746	0.2785
whgrn_l1_2_ti	0.0356	0.0372	0.9145	0.3389
whgrn_l1_3	-0.0138	0.0735	0.0350	0.8515
whgrn_l1_3_ti	0.0427	0.0389	1.2030	0.2727
whgrn_l1_4	-0.0266	0.0746	0.1272	0.7213
whgrn_l1_4_ti	0.0140	0.0396	0.1257	0.7230
soda_l1_1	-0.2769	0.0549	25.4127	<.0001
soda_l1_1_ti	0.0256	0.0159	2.5964	0.1071
soda_l1_2	-0.1498	0.0439	11.6260	0.0007
soda_l1_2_ti	0.00530	0.0127	0.1752	0.6755
soda_l1_3	-0.1272	0.0427	8.8591	0.0029
soda_l1_3_ti	0.0188	0.0127	2.1920	0.1387
soda_l1_4	-0.0970	0.0418	5.3716	0.0205
soda_l1_4_ti	0.00580	0.0130	0.1980	0.6564
cal_l1_1	-0.1320	0.0771	2.9339	0.0867
cal_l1_1_ti	0.0444	0.0404	1.2073	0.2719
cal_l1_2	-0.1610	0.0709	5.1584	0.0231
cal_l1_2_ti	0.0541	0.0374	2.0880	0.1485
cal_l1_3	-0.1898	0.0684	7.6951	0.0055
cal_l1_3_ti	0.0960	0.0363	6.9849	0.0082
cal_l1_4	-0.0983	0.0648	2.2978	0.1296
cal_l1_4_ti	0.0631	0.0347	3.2995	0.0693
alc_l1_1	-0.0245	0.0628	0.1527	0.6960
alc_l1_1_ti	0.0532	0.0296	3.2349	0.0721
alc_l1_2	-0.0335	0.0624	0.2875	0.5918
alc_l1_2_ti	0.0518	0.0312	2.7568	0.0968
alc_l1_3	-0.00907	0.0743	0.0149	0.9029
alc_l1_3_ti	0.0402	0.0394	1.0452	0.3066
cig_l2_1	-0.0846	0.0738	1.3128	0.2519
cig_l1_1	-0.3316	0.0822	16.2736	<.0001
cig_l2_2	-0.0358	0.0862	0.1720	0.6783
cig_l1_2	-0.2011	0.0945	4.5292	0.0333

cig_l2_3	-0.0233	0.0758	0.0941	0.7591
cig_l1_3	-0.1115	0.0828	1.8121	0.1783
cig_l2_4	0.0548	0.0664	0.6802	0.4095
cig_l1_4	-0.1464	0.0730	4.0225	0.0449
mvi_l2	0.0296	0.0119	6.1563	0.0131
mvi_l1	-0.0133	0.0124	1.1529	0.2829
act_l1_1	0.0739	0.0259	8.1561	0.0043
act_l1_1_ti	0.0225	0.0213	1.1138	0.2912
act_l1_2	0.0661	0.0278	5.6650	0.0173
act_l1_2_ti	0.0110	0.0249	0.1954	0.6585
act_l1_3	0.0118	0.0450	0.0690	0.7927
act_l1_3_ti	0.0423	0.0469	0.8116	0.3677
act_l1_4	0.0453	0.0302	2.2391	0.1346
act_l1_4_ti	-0.0260	0.0267	0.9465	0.3306
act_l1_5	0.00249	0.0482	0.0027	0.9588
act_l1_5_ti	-0.0130	0.0539	0.0585	0.8090
can_l2	0.0977	0.0591	2.7340	0.0982
can_l1	-0.1498	0.0660	5.1454	0.0233
bmi_l2_1	0.1029	0.1092	0.8880	0.3460
bmi_l1_1	-0.7350	0.1180	38.8025	<.0001
bmi_l2_2	0.1068	0.0620	2.9678	0.0849
bmi_l1_2	-0.4972	0.0641	60.1430	<.0001
bmi_l2_3	0.1972	0.0575	11.7821	0.0006
bmi_l1_3	-0.2811	0.0589	22.7620	<.0001
bmi_l2_4	0.2323	0.0535	18.8562	<.0001
bmi_l1_4	-0.1191	0.0547	4.7429	0.0294
bmi_l2_5	0.1402	0.0472	8.8293	0.0030
bmi_l1_5	-0.0198	0.0476	0.1727	0.6777
hbp_l2	-0.1818	0.0289	39.4655	<.0001
hbp_l1	0.4409	0.0278	251.3013	<.0001
sta_l1	1.1383	0.0628	328.2385	<.0001
sta_l1_ti	-0.1578	0.1091	2.0918	0.1481

asn_l2_1	0.0106	0.0225	0.2230	0.6368
asn_l1_1	-0.0991	0.0215	21.1673	<.0001
asn_l2_2	-0.0220	0.0210	1.0981	0.2947
asn_l1_2	-0.0524	0.0204	6.6232	0.0101
angcbg_l2	-0.2194	0.0787	7.7681	0.0053
angcbg_l1	0.4017	0.0647	38.5325	<.0001
str_l2	-0.1878	0.1834	1.0482	0.3059
str_l1	0.2783	0.1426	3.8065	0.0511
mi_l2	-0.5579	0.1945	8.2293	0.0041
mi_l1	0.7506	0.1442	27.0888	<.0001
mnp	0.3608	0.0259	193.6595	<.0001
pmh	0.1172	0.0179	42.8290	<.0001
ost	0.3616	0.0332	118.3204	<.0001
rpmeats_1	0.5827	0.0343	288.6915	<.0001
rpmeats_1_ti	-0.2191	0.0454	23.2519	<.0001
rpmeats_2	0.3920	0.0302	168.0047	<.0001
rpmeats_2_ti	-0.1388	0.0373	13.8843	0.0002
rpmeats_3	0.2629	0.0288	83.0550	<.0001
rpmeats_3_ti	-0.1227	0.0356	11.8552	0.0006
rpmeats_4	0.1796	0.0273	43.4059	<.0001
rpmeats_4_ti	-0.0730	0.0319	5.2308	0.0222
coff_1	-0.0741	0.0427	3.0042	0.0830
coff_1_ti	-0.0356	0.0375	0.8983	0.3432
coff_2	0.0132	0.0382	0.1199	0.7291
coff_2_ti	-0.0304	0.0485	0.3925	0.5310
coff_3	0.0666	0.0411	2.6270	0.1051
coff_3_ti	-0.0160	0.0572	0.0785	0.7794
coff_4	0.0158	0.0214	0.5423	0.4615
coff_4_ti	-0.0423	0.0253	2.7873	0.0950
whgrn_1	-0.3506	0.0313	125.1039	<.0001
whgrn_1_ti	0.0684	0.0377	3.3000	0.0693
whgrn_2	-0.3152	0.0282	125.3016	<.0001

whgrn_2_ti	0.0872	0.0378	5.3299	0.0210
whgrn_3	-0.1904	0.0262	52.8778	<.0001
whgrn_3_ti	0.0647	0.0395	2.6884	0.1011
whgrn_4	-0.0815	0.0245	11.0596	0.0009
whgrn_4_ti	0.0374	0.0401	0.8683	0.3514
soda_1	-0.0380	0.0381	0.9936	0.3189
soda_1_ti	0.0752	0.0156	23.1290	<.0001
soda_2	0.00528	0.0310	0.0290	0.8647
soda_2_ti	0.0570	0.0126	20.3926	<.0001
soda_3	0.0550	0.0291	3.5603	0.0592
soda_3_ti	0.0217	0.0127	2.9010	0.0885
soda_4	0.00859	0.0277	0.0962	0.7564
soda_4_ti	0.0327	0.0132	6.1517	0.0131
cal_1	0.1093	0.0354	9.5100	0.0020
cal_1_ti	0.0421	0.0407	1.0678	0.3014
cal_2	0.0660	0.0311	4.5023	0.0338
cal_2_ti	0.0676	0.0379	3.1713	0.0749
cal_3	0.0110	0.0287	0.1477	0.7008
cal_3_ti	0.1014	0.0370	7.5028	0.0062
cal_4	0.0349	0.0264	1.7511	0.1857
cal_4_ti	0.0532	0.0356	2.2287	0.1355
alc_1	-0.00900	0.0364	0.0611	0.8048
alc_1_ti	0.0367	0.0295	1.5523	0.2128
alc_2	0.0145	0.0330	0.1919	0.6613
alc_2_ti	0.0249	0.0313	0.6336	0.4261
alc_3	-0.0347	0.0337	1.0598	0.3033
alc_3_ti	0.0300	0.0402	0.5574	0.4553
cig_1	0.3690	0.0814	20.5645	<.0001
cig_2	0.1179	0.0949	1.5422	0.2143
cig_3	-0.0126	0.0846	0.0221	0.8819
cig_4	-0.0371	0.0767	0.2336	0.6288
mvi	0.0289	0.0126	5.2198	0.0223

act_1	-0.0218	0.0229	0.9068	0.3410
act_1_ti	-0.0142	0.0214	0.4401	0.5071
act_2	0.0484	0.0242	3.9862	0.0459
act_2_ti	-0.0167	0.0250	0.4457	0.5044
act_3	0.0223	0.0400	0.3106	0.5773
act_3_ti	0.00481	0.0437	0.0122	0.9122
act_4	0.0910	0.0262	12.0310	0.0005
act_4_ti	-0.0305	0.0293	1.0780	0.2992
act_5	0.0488	0.0417	1.3644	0.2428
act_5_ti	0.00961	0.0474	0.0412	0.8392
can	-0.0172	0.0435	0.1563	0.6926
bmi_1	-0.4571	0.1020	20.1012	<.0001
bmi_2	-0.1818	0.0556	10.6991	0.0011
bmi_3	-0.1582	0.0510	9.6035	0.0019
bmi_4	-0.0943	0.0471	3.9992	0.0455
bmi_5	-0.0807	0.0418	3.7214	0.0537

(Z) Logistic model to estimate the probability of incident hypertension

Parameter	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-4.3185	0.3869	124.5990	<.0001
fhx	0.0623	0.0169	13.5529	0.0002
smkhx	0.00424	0.0162	0.0680	0.7942
ochx	0.0158	0.0147	1.1601	0.2815
employed_1	-0.00806	0.0273	0.0873	0.7677
employed_2	-0.0538	0.0428	1.5806	0.2087
employed_3	0.0163	0.0220	0.5468	0.4596
employed_4	0.0144	0.0286	0.2529	0.6150
employed_5	0.0285	0.0203	1.9688	0.1606
employed_6	-0.0858	0.0309	7.6977	0.0055
employed_miss	0.0282	0.0993	0.0804	0.7767
mar80	-0.0308	0.0257	1.4405	0.2301
college	-0.0884	0.0157	31.6645	<.0001
stress82	0.0550	0.0162	11.5052	0.0007
stress82_miss	-0.0207	0.0922	0.0502	0.8226
hhighsch	0.0254	0.0189	1.7930	0.1806
hcollege	-0.00552	0.0207	0.0710	0.7899
hgradsch	-0.0143	0.0219	0.4235	0.5152
lbmi18_2	-0.0636	0.0172	13.7301	0.0002
lbmi18_3	-0.1139	0.0274	17.3211	<.0001
lbmi18_4	-0.0414	0.0643	0.4146	0.5197
baseage	0.0924	0.0149	38.4976	<.0001
baseage_sq	-0.00053	0.000147	12.9871	0.0003
bmi80_1	-0.00446	0.1014	0.0019	0.9649
bmi80_2	-0.0478	0.0661	0.5228	0.4696
bmi80_3	-0.0229	0.0630	0.1325	0.7159
bmi80_4	0.0104	0.0601	0.0297	0.8633
bmi80_5	0.0428	0.0581	0.5437	0.4609
act80_1	-0.0251	0.0198	1.5986	0.2061
act80_2	0.00841	0.0232	0.1312	0.7172
act80_3	0.00108	0.0206	0.0027	0.9583
alc80_1	0.00906	0.0237	0.1468	0.7016

alc80_2	0.0118	0.0224	0.2771	0.5986
alc80_3	-0.0100	0.0249	0.1629	0.6865
rpmeats80_1	-0.1082	0.0408	7.0168	0.0081
rpmeats80_2	-0.0132	0.0250	0.2774	0.5984
rpmeats80_3	0.0146	0.0207	0.4941	0.4821
rpmeats80_4	-0.0407	0.0189	4.6302	0.0314
coff80_1	-0.0432	0.0205	4.4369	0.0352
coff80_2	-0.00869	0.0289	0.0904	0.7637
coff80_3	0.0540	0.0444	1.4799	0.2238
whgrn80_1	0.00676	0.0204	0.1100	0.7401
whgrn80_2	-0.00041	0.0217	0.0004	0.9849
soda80_1	-0.1358	0.0259	27.5800	<.0001
soda80_2	-0.1046	0.0225	21.6512	<.0001
soda80_3	-0.0994	0.0222	20.0760	<.0001
soda80_4	-0.0827	0.0212	15.1730	<.0001
cig80_1	-0.0651	0.0555	1.3733	0.2412
cig80_2	-0.0356	0.0697	0.2610	0.6095
cig80_3	-0.0246	0.0605	0.1650	0.6846
cig80_4	-0.0161	0.0536	0.0908	0.7631
period_2	-1.0914	0.1145	90.8235	<.0001
period_3	-1.1191	0.0873	164.3735	<.0001
period_4	-1.4176	0.0797	316.2494	<.0001
period_5	-0.9016	0.0864	108.8570	<.0001
period_6	-0.8928	0.0370	582.8441	<.0001
period_7	-0.5958	0.0755	62.1975	<.0001
period_8	-0.5858	0.0341	294.8072	<.0001
period_9	-0.3273	0.0758	18.6406	<.0001
period_10	-0.1200	0.0317	14.3796	0.0001
period_11	0.0718	0.0753	0.9105	0.3400
mnp_l2	-0.1285	0.0311	17.0760	<.0001
mnp_l1	-0.1603	0.0401	15.9820	<.0001
pmh_l2	0.0331	0.0216	2.3435	0.1258
pmh_l1	0.0897	0.0243	13.6789	0.0002
ost_l2	0.00308	0.0429	0.0052	0.9427
ost_l1	-0.1327	0.0505	6.9071	0.0086

rpmeats_l1_1	-0.0594	0.1032	0.3309	0.5651
rpmeats_l1_1_ti	-0.0213	0.0535	0.1590	0.6901
rpmeats_l1_2	0.0422	0.0767	0.3031	0.5819
rpmeats_l1_2_ti	-0.0499	0.0413	1.4620	0.2266
rpmeats_l1_3	0.0708	0.0710	0.9960	0.3183
rpmeats_l1_3_ti	-0.0735	0.0388	3.5873	0.0582
rpmeats_l1_4	0.0171	0.0620	0.0763	0.7824
rpmeats_l1_4_ti	-0.0236	0.0348	0.4611	0.4971
coff_l1_1	-0.0945	0.0850	1.2350	0.2664
coff_l1_1_ti	-0.0159	0.0416	0.1468	0.7016
coff_l1_2	-0.0705	0.1068	0.4353	0.5094
coff_l1_2_ti	-0.00512	0.0557	0.0085	0.9268
coff_l1_3	0.1965	0.1100	3.1899	0.0741
coff_l1_3_ti	-0.1104	0.0593	3.4688	0.0625
coff_l1_4	0.0595	0.0533	1.2464	0.2642
coff_l1_4_ti	-0.00037	0.0284	0.0002	0.9896
whgrn_l1_1	0.0368	0.0808	0.2068	0.6493
whgrn_l1_1_ti	0.0205	0.0427	0.2311	0.6307
whgrn_l1_2	0.0343	0.0808	0.1809	0.6706
whgrn_l1_2_ti	-0.00664	0.0429	0.0239	0.8770
whgrn_l1_3	0.0836	0.0831	1.0129	0.3142
whgrn_l1_3_ti	-0.0440	0.0441	0.9953	0.3185
whgrn_l1_4	-0.0130	0.0867	0.0223	0.8813
whgrn_l1_4_ti	-0.00672	0.0459	0.0214	0.8836
soda_l1_1	0.0264	0.0676	0.1522	0.6964
soda_l1_1_ti	-0.0179	0.0248	0.5176	0.4719
soda_l1_2	0.00120	0.0539	0.0005	0.9823
soda_l1_2_ti	0.00698	0.0194	0.1289	0.7196
soda_l1_3	0.0555	0.0525	1.1173	0.2905
soda_l1_3_ti	-0.0208	0.0195	1.1417	0.2853
soda_l1_4	0.0525	0.0522	1.0118	0.3145
soda_l1_4_ti	-0.0250	0.0202	1.5325	0.2157
cal_l1_1	-0.0399	0.0879	0.2056	0.6502
cal_l1_1_ti	0.000331	0.0462	0.0001	0.9943
cal_l1_2	-0.0194	0.0803	0.0583	0.8093

cal_l1_2_ti	-0.0158	0.0427	0.1377	0.7106
cal_l1_3	0.0559	0.0761	0.5387	0.4630
cal_l1_3_ti	-0.0420	0.0408	1.0600	0.3032
cal_l1_4	0.0913	0.0729	1.5682	0.2105
cal_l1_4_ti	-0.0220	0.0394	0.3117	0.5766
alc_l1_1	-0.1750	0.0697	6.2970	0.0121
alc_l1_1_ti	0.00185	0.0326	0.0032	0.9549
alc_l1_2	-0.2438	0.0701	12.0996	0.0005
alc_l1_2_ti	0.0427	0.0351	1.4785	0.2240
alc_l1_3	-0.1818	0.0839	4.6951	0.0302
alc_l1_3_ti	0.0514	0.0447	1.3217	0.2503
cig_l2_1	-0.1723	0.0953	3.2685	0.0706
cig_l1_1	-0.2999	0.1079	7.7224	0.0055
cig_l2_2	-0.2062	0.1123	3.3711	0.0663
cig_l1_2	-0.3484	0.1252	7.7460	0.0054
cig_l2_3	0.1168	0.0973	1.4423	0.2298
cig_l1_3	-0.2162	0.1096	3.8916	0.0485
cig_l2_4	0.0418	0.0870	0.2310	0.6308
cig_l1_4	-0.00250	0.0973	0.0007	0.9795
mvi_l2	0.0113	0.0159	0.5050	0.4773
mvi_l1	0.0266	0.0169	2.4679	0.1162
act_l1_1	0.0298	0.0287	1.0803	0.2986
act_l1_1_ti	-0.0224	0.0259	0.7482	0.3870
act_l1_2	0.0492	0.0308	2.5612	0.1095
act_l1_2_ti	-0.0567	0.0308	3.3932	0.0655
act_l1_3	-0.0810	0.0529	2.3507	0.1252
act_l1_3_ti	0.0820	0.0608	1.8206	0.1772
act_l1_4	0.0139	0.0335	0.1713	0.6790
act_l1_4_ti	-0.0220	0.0315	0.4896	0.4841
act_l1_5	-0.0383	0.0545	0.4927	0.4827
act_l1_5_ti	0.0287	0.0699	0.1680	0.6819
can_l2	0.1190	0.0645	3.4000	0.0652
can_l1	-0.1460	0.0754	3.7516	0.0528
bmi_l2_1	-0.1016	0.1289	0.6215	0.4305
bmi_l1_1	-0.5093	0.1329	14.6875	0.0001

bmi_l2_2	0.0477	0.0708	0.4541	0.5004
bmi_l1_2	-0.5473	0.0745	53.9560	<.0001
bmi_l2_3	0.0872	0.0643	1.8379	0.1752
bmi_l1_3	-0.4304	0.0670	41.2921	<.0001
bmi_l2_4	0.0730	0.0593	1.5177	0.2180
bmi_l1_4	-0.2705	0.0614	19.3815	<.0001
bmi_l2_5	0.0485	0.0518	0.8762	0.3492
bmi_l1_5	-0.1149	0.0528	4.7384	0.0295
chl_l2	-0.1261	0.0305	17.1086	<.0001
chl_l1	-0.7958	0.0338	553.6121	<.0001
sta_l1	0.0297	0.0265	1.2558	0.2624
sta_l1_ti	0.0281	0.0408	0.4740	0.4911
asn_l2_1	-0.0751	0.0234	10.2567	0.0014
asn_l1_1	-0.1667	0.0226	54.5220	<.0001
asn_l2_2	-0.0452	0.0224	4.0949	0.0430
asn_l1_2	-0.0887	0.0218	16.5750	<.0001
angcbg_l2	-0.4446	0.0942	22.2885	<.0001
angcbg_l1	0.3215	0.0832	14.9500	0.0001
str_l2	-0.4356	0.2073	4.4163	0.0356
str_l1	0.5981	0.1693	12.4834	0.0004
mi_l2	0.2067	0.2187	0.8933	0.3446
mi_l1	-0.1195	0.1892	0.3987	0.5277
mnp	0.1096	0.0350	9.7760	0.0018
pmh	0.1396	0.0209	44.6358	<.0001
ost	0.1647	0.0349	22.2584	<.0001
rpmeats_1	0.0194	0.0405	0.2300	0.6315
rpmeats_1_ti	0.0313	0.0541	0.3334	0.5637
rpmeats_2	-0.00441	0.0360	0.0150	0.9026
rpmeats_2_ti	0.00574	0.0423	0.0184	0.8921
rpmeats_3	0.0274	0.0344	0.6328	0.4263
rpmeats_3_ti	-0.0540	0.0402	1.8097	0.1785
rpmeats_4	-0.00810	0.0329	0.0607	0.8054
rpmeats_4_ti	0.0133	0.0365	0.1321	0.7163
coff_1	0.2843	0.0508	31.3742	<.0001
coff_1_ti	-0.0691	0.0419	2.7161	0.0993

coff_2	0.2203	0.0443	24.7282	<.0001
coff_2_ti	-0.0214	0.0562	0.1450	0.7034
coff_3	0.1907	0.0466	16.7496	<.0001
coff_3_ti	-0.1656	0.0607	7.4544	0.0063
coff_4	0.1124	0.0261	18.5950	<.0001
coff_4_ti	-0.0444	0.0289	2.3681	0.1238
whgrn_1	0.0186	0.0369	0.2549	0.6137
whgrn_1_ti	0.0239	0.0435	0.3018	0.5828
whgrn_2	0.0407	0.0329	1.5299	0.2161
whgrn_2_ti	0.0143	0.0438	0.1067	0.7439
whgrn_3	0.00808	0.0311	0.0676	0.7949
whgrn_3_ti	0.00584	0.0450	0.0168	0.8968
whgrn_4	-0.00938	0.0295	0.1013	0.7503
whgrn_4_ti	0.0313	0.0470	0.4431	0.5056
soda_1	-0.0446	0.0446	1.0030	0.3166
soda_1_ti	-0.0347	0.0250	1.9224	0.1656
soda_2	-0.0624	0.0377	2.7417	0.0978
soda_2_ti	0.00199	0.0196	0.0103	0.9190
soda_3	-0.0454	0.0360	1.5899	0.2073
soda_3_ti	-0.00403	0.0197	0.0419	0.8379
soda_4	0.0164	0.0340	0.2316	0.6303
soda_4_ti	-0.0507	0.0207	6.0285	0.0141
cal_1	0.1732	0.0409	17.8994	<.0001
cal_1_ti	-0.0949	0.0468	4.1092	0.0426
cal_2	0.0910	0.0364	6.2283	0.0126
cal_2_ti	-0.0678	0.0435	2.4316	0.1189
cal_3	0.0844	0.0335	6.3450	0.0118
cal_3_ti	-0.0921	0.0418	4.8641	0.0274
cal_4	0.0407	0.0312	1.6998	0.1923
cal_4_ti	-0.0623	0.0406	2.3545	0.1249
alc_1	0.0215	0.0421	0.2603	0.6099
alc_1_ti	-0.0163	0.0327	0.2472	0.6190
alc_2	-0.0256	0.0380	0.4542	0.5003
alc_2_ti	0.0430	0.0355	1.4693	0.2255
alc_3	-0.0898	0.0388	5.3541	0.0207

alc_3_ti	0.0730	0.0459	2.5307	0.1116
cig_1	0.3550	0.1033	11.8115	0.0006
cig_2	0.1241	0.1210	1.0521	0.3050
cig_3	-0.1457	0.1084	1.8056	0.1790
cig_4	-0.2478	0.0988	6.2903	0.0121
mvi	0.0137	0.0163	0.7106	0.3992
act_1	0.0915	0.0264	12.0014	0.0005
act_1_ti	0.0677	0.0395	2.9427	0.0863
act_2	0.0298	0.0283	1.1108	0.2919
act_2_ti	0.00865	0.0463	0.0349	0.8519
act_3	0.0355	0.0475	0.5576	0.4552
act_3_ti	0.00553	0.0819	0.0046	0.9461
act_4	0.0235	0.0307	0.5844	0.4446
act_4_ti	0.0367	0.0540	0.4624	0.4965
act_5	-0.0524	0.0508	1.0626	0.3026
act_5_ti	0.1562	0.0824	3.5944	0.0580
can	0.00382	0.0493	0.0060	0.9383
bmi_1	-0.7588	0.1129	45.1732	<.0001
bmi_2	-0.7582	0.0652	135.1960	<.0001
bmi_3	-0.6395	0.0586	119.1737	<.0001
bmi_4	-0.4559	0.0534	72.9674	<.0001
bmi_5	-0.2037	0.0465	19.1770	<.0001
chl	1.1567	0.0220	2763.5670	<.0001

(AA) Logistic model to estimate the probability of taking statins

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-7.3639	0.3573	424.8521	<.0001
fhx	0.0222	0.0147	2.2773	0.1313
smkhx	0.0184	0.0140	1.7281	0.1887
ochx	0.00769	0.0128	0.3600	0.5485
employed_1	0.0174	0.0238	0.5335	0.4651
employed_2	-0.0167	0.0384	0.1900	0.6629
employed_3	-0.00512	0.0194	0.0701	0.7912
employed_4	0.0288	0.0249	1.3341	0.2481
employed_5	0.0281	0.0178	2.4913	0.1145
employed_6	0.0268	0.0266	1.0205	0.3124
employed_miss	-0.1305	0.0870	2.2493	0.1337
mar80	0.0501	0.0230	4.7473	0.0293
college	-0.0428	0.0137	9.7314	0.0018
stress82	-0.0375	0.0144	6.7870	0.0092
stress82_miss	-0.00575	0.0804	0.0051	0.9430
hhighsch	0.1427	0.0172	68.8434	<.0001
hcollege	0.1400	0.0186	56.5938	<.0001
hgradsch	0.1717	0.0197	76.2699	<.0001
lbmi18_2	-0.0643	0.0151	18.1609	<.0001
lbmi18_3	-0.0235	0.0243	0.9390	0.3325
lbmi18_4	0.0206	0.0581	0.1258	0.7229
baseage	0.0913	0.0134	46.2914	<.0001
baseage_sq	-0.00097	0.000132	53.6627	<.0001
bmi80_1	0.4219	0.0849	24.7090	<.0001
bmi80_2	0.2177	0.0530	16.8556	<.0001
bmi80_3	0.1913	0.0506	14.2680	0.0002
bmi80_4	0.1385	0.0484	8.1767	0.0042
bmi80_5	0.0625	0.0477	1.7159	0.1902
act80_1	0.0356	0.0168	4.4937	0.0340
act80_2	0.0227	0.0198	1.3134	0.2518
act80_3	0.0104	0.0176	0.3529	0.5525
alc80_1	0.0298	0.0198	2.2753	0.1315

alc80_2	0.0746	0.0190	15.3505	<.0001
alc80_3	0.0694	0.0217	10.2093	0.0014
rpmeats80_1	-0.1868	0.0353	27.9321	<.0001
rpmeats80_2	-0.0340	0.0212	2.5676	0.1091
rpmeats80_3	-0.0118	0.0182	0.4209	0.5165
rpmeats80_4	-0.00341	0.0163	0.0437	0.8345
coff80_1	0.0374	0.0171	4.8110	0.0283
coff80_2	0.0136	0.0249	0.2968	0.5859
coff80_3	0.00848	0.0385	0.0484	0.8259
whgrn80_1	0.0868	0.0177	24.0667	<.0001
whgrn80_2	0.0553	0.0189	8.6050	0.0034
soda80_1	-0.0534	0.0221	5.8344	0.0157
soda80_2	-0.0615	0.0193	10.1148	0.0015
soda80_3	-0.0270	0.0192	1.9698	0.1605
soda80_4	0.00598	0.0184	0.1049	0.7460
cig80_1	-0.1101	0.0466	5.5738	0.0182
cig80_2	-0.0984	0.0593	2.7562	0.0969
cig80_3	-0.0296	0.0513	0.3331	0.5638
cig80_4	0.0105	0.0459	0.0521	0.8194
period_3	-1.2727	0.0910	195.4459	<.0001
period_6	-0.5342	0.0272	385.0942	<.0001
period_7	-1.0987	0.0681	260.4793	<.0001
period_8	-0.6259	0.0243	664.5233	<.0001
period_9	-0.2581	0.0676	14.5784	0.0001
period_10	-0.4460	0.0220	409.9754	<.0001
period_11	0.0603	0.0671	0.8080	0.3687
mnp_l2	0.1375	0.0335	16.8726	<.0001
mnp_l1	0.1807	0.0494	13.3877	0.0003
pmh_l2	0.0826	0.0174	22.5466	<.0001
pmh_l1	-0.1162	0.0202	33.2064	<.0001
ost_l2	-0.0849	0.0316	7.2112	0.0072
ost_l1	-0.0493	0.0387	1.6204	0.2030
rpmeats_l1_1	0.0189	0.0500	0.1425	0.7058
rpmeats_l1_1_ti	-0.00083	0.0252	0.0011	0.9738
rpmeats_l1_2	0.0455	0.0474	0.9229	0.3367

rpmeats_l1_2_ti	-0.0163	0.0248	0.4292	0.5124
rpmeats_l1_3	0.0179	0.0470	0.1442	0.7041
rpmeats_l1_3_ti	0.00999	0.0252	0.1565	0.6924
rpmeats_l1_4	0.0570	0.0472	1.4594	0.2270
rpmeats_l1_4_ti	-0.0120	0.0261	0.2099	0.6469
coff_l1_1	0.0362	0.0543	0.4438	0.5053
coff_l1_1_ti	-0.00535	0.0215	0.0620	0.8033
coff_l1_2	0.1358	0.0504	7.2678	0.0070
coff_l1_2_ti	-0.0291	0.0247	1.3898	0.2384
coff_l1_3	0.0877	0.0563	2.4282	0.1192
coff_l1_3_ti	0.00270	0.0305	0.0078	0.9295
coff_l1_4	0.0147	0.0325	0.2044	0.6512
coff_l1_4_ti	0.0233	0.0164	2.0242	0.1548
whgrn_l1_1	0.0611	0.0447	1.8694	0.1715
whgrn_l1_1_ti	-0.0353	0.0229	2.3815	0.1228
whgrn_l1_2	0.00675	0.0403	0.0280	0.8670
whgrn_l1_2_ti	0.00790	0.0216	0.1341	0.7142
whgrn_l1_3	-0.0254	0.0379	0.4511	0.5018
whgrn_l1_3_ti	0.0224	0.0208	1.1651	0.2804
whgrn_l1_4	-0.0359	0.0360	0.9956	0.3184
whgrn_l1_4_ti	0.0239	0.0202	1.3989	0.2369
soda_l1_1	-0.1954	0.0720	7.3596	0.0067
soda_l1_1_ti	0.0395	0.0335	1.3920	0.2381
soda_l1_2	-0.0971	0.0589	2.7128	0.0995
soda_l1_2_ti	0.0298	0.0275	1.1768	0.2780
soda_l1_3	-0.0795	0.0590	1.8160	0.1778
soda_l1_3_ti	0.0287	0.0280	1.0440	0.3069
soda_l1_4	-0.0208	0.0586	0.1259	0.7227
soda_l1_4_ti	0.0282	0.0284	0.9866	0.3206
cal_l1_1	-0.0343	0.0481	0.5078	0.4761
cal_l1_1_ti	0.00360	0.0241	0.0224	0.8810
cal_l1_2	-0.0223	0.0440	0.2582	0.6114
cal_l1_2_ti	0.0201	0.0228	0.7779	0.3778
cal_l1_3	0.0143	0.0416	0.1180	0.7312
cal_l1_3_ti	0.0161	0.0222	0.5229	0.4696

cal_l1_4	0.0364	0.0397	0.8390	0.3597
cal_l1_4_ti	-0.00047	0.0220	0.0005	0.9829
alc_l1_1	-0.00731	0.0439	0.0276	0.8680
alc_l1_1_ti	0.00658	0.0170	0.1489	0.6995
alc_l1_2	0.0661	0.0429	2.3734	0.1234
alc_l1_2_ti	-0.0270	0.0191	1.9902	0.1583
alc_l1_3	0.0823	0.0476	2.9914	0.0837
alc_l1_3_ti	-0.0532	0.0251	4.4976	0.0339
cig_l2_1	-0.0238	0.1052	0.0512	0.8210
cig_l1_1	-0.00378	0.1265	0.0009	0.9762
cig_l2_2	0.0129	0.1181	0.0120	0.9129
cig_l1_2	0.0277	0.1387	0.0399	0.8416
cig_l2_3	-0.00177	0.1070	0.0003	0.9868
cig_l1_3	0.0624	0.1267	0.2428	0.6222
cig_l2_4	0.0322	0.0990	0.1058	0.7450
cig_l1_4	0.0821	0.1173	0.4897	0.4841
mvi_l2	-0.0187	0.0157	1.4132	0.2345
mvi_l1	0.00320	0.0172	0.0347	0.8521
act_l1_1	-0.0446	0.0232	3.6824	0.0550
act_l1_2	-0.00147	0.0245	0.0036	0.9522
act_l1_3	-0.0691	0.0419	2.7154	0.0994
act_l1_4	0.00412	0.0261	0.0248	0.8749
act_l1_5	0.0783	0.0415	3.5491	0.0596
can_l2	0.0728	0.0474	2.3598	0.1245
can_l1	0.0446	0.0592	0.5681	0.4510
bmi_l2_1	0.1321	0.1126	1.3764	0.2407
bmi_l1_1	-0.3192	0.1188	7.2191	0.0072
bmi_l2_2	0.1426	0.0594	5.7675	0.0163
bmi_l1_2	-0.1856	0.0647	8.2255	0.0041
bmi_l2_3	0.1232	0.0536	5.2924	0.0214
bmi_l1_3	-0.0811	0.0579	1.9642	0.1611
bmi_l2_4	0.0752	0.0490	2.3574	0.1247
bmi_l1_4	-0.00911	0.0528	0.0297	0.8632
bmi_l2_5	0.0304	0.0429	0.5022	0.4785
bmi_l1_5	0.0199	0.0456	0.1902	0.6627

chl_l2	0.1762	0.0241	53.2379	<.0001
chl_l1	-0.4917	0.0305	260.1647	<.0001
hbp_l2	-0.0888	0.0264	11.2866	0.0008
hbp_l1	-0.0987	0.0346	8.1256	0.0044
sta_l1	3.4064	0.0151	50630.9491	<.0001
sta_l1_ti	-0.2493	0.0169	218.1835	<.0001
asn_l2_1	-0.1364	0.0182	56.4565	<.0001
asn_l1_1	-0.1402	0.0174	64.7531	<.0001
asn_l2_2	-0.1463	0.0179	66.8141	<.0001
asn_l1_2	-0.1429	0.0178	64.7782	<.0001
angcbg_l2	-0.5688	0.0591	92.6675	<.0001
angcbg_l1	0.8230	0.0544	229.0574	<.0001
str_l2	-0.4115	0.1192	11.9265	0.0006
str_l1	0.4051	0.1015	15.9357	<.0001
mi_l2	-0.3950	0.1266	9.7367	0.0018
mi_l1	0.9546	0.1113	73.5666	<.0001
mnp	0.2098	0.0519	16.3055	<.0001
pmh	-0.0300	0.0182	2.7130	0.0995
ost	0.0772	0.0278	7.7281	0.0054
rpmeats_1	0.2141	0.0367	33.9690	<.0001
rpmeats_2	0.1467	0.0341	18.4613	<.0001
rpmeats_3	0.1213	0.0333	13.2361	0.0003
rpmeats_4	0.0403	0.0333	1.4681	0.2256
coff_1	-0.0824	0.0447	3.3985	0.0653
coff_2	-0.1134	0.0374	9.1798	0.0024
coff_3	-0.0444	0.0395	1.2633	0.2610
coff_4	0.0243	0.0237	1.0513	0.3052
whgrn_1	-0.1810	0.0326	30.9084	<.0001
whgrn_2	-0.1157	0.0284	16.5762	<.0001
whgrn_3	-0.0442	0.0262	2.8390	0.0920
whgrn_4	-0.0161	0.0245	0.4349	0.5096
soda_1	-0.0564	0.0356	2.5210	0.1123
soda_1_ti	0.0615	0.0292	4.4384	0.0351
soda_2	-0.0575	0.0306	3.5440	0.0598
soda_2_ti	0.0550	0.0235	5.4518	0.0195

soda_3	-0.0313	0.0294	1.1330	0.2871
soda_3_ti	0.0307	0.0240	1.6348	0.2010
soda_4	-0.0463	0.0284	2.6605	0.1029
soda_4_ti	0.0305	0.0242	1.5856	0.2080
cal_1	0.1792	0.0351	26.0023	<.0001
cal_2	0.1313	0.0316	17.3042	<.0001
cal_3	0.0763	0.0295	6.6947	0.0097
cal_4	0.0531	0.0277	3.6686	0.0554
alc_1	-0.0148	0.0363	0.1674	0.6824
alc_2	-0.0272	0.0333	0.6635	0.4153
alc_3	-0.0212	0.0341	0.3861	0.5344
cig_1	0.3066	0.1285	5.6951	0.0170
cig_2	0.2150	0.1414	2.3126	0.1283
cig_3	0.2132	0.1306	2.6644	0.1026
cig_4	0.1505	0.1234	1.4870	0.2227
mvi	0.0778	0.0165	22.2203	<.0001
act_1	-0.0179	0.0235	0.5792	0.4466
act_2	0.00834	0.0250	0.1115	0.7384
act_3	-0.0100	0.0445	0.0509	0.8216
act_4	0.0447	0.0266	2.8289	0.0926
act_5	0.0175	0.0440	0.1581	0.6909
can	-0.1442	0.0416	12.0228	0.0005
bmi_1	-0.7212	0.1000	52.0502	<.0001
bmi_2	-0.3354	0.0568	34.9232	<.0001
bmi_3	-0.1846	0.0510	13.1017	0.0003
bmi_4	-0.0721	0.0464	2.4138	0.1203
bmi_5	0.00871	0.0409	0.0455	0.8311
chl	3.0685	0.0307	9986.0956	<.0001
hbp	0.5449	0.0259	442.7943	<.0001

(BB) Logistic model to estimate the probability of taking aspirin less than daily (vs. no aspirin)

Parameter	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-0.0569	0.1934	0.0867	0.7685
fhx	0.0123	0.00875	1.9907	0.1583
smkhx	0.0376	0.00820	20.9838	<.0001
ochx	0.0197	0.00749	6.9298	0.0085
employed_1	-0.0318	0.0138	5.2826	0.0215
employed_2	-0.0149	0.0219	0.4624	0.4965
employed_3	-0.00900	0.0112	0.6497	0.4202
employed_4	-0.00697	0.0145	0.2300	0.6315
employed_5	-0.0139	0.0103	1.8173	0.1776
employed_6	-0.0127	0.0153	0.6903	0.4061
employed_miss	0.0146	0.0490	0.0888	0.7657
mar80	-0.0146	0.0131	1.2476	0.2640
college	0.00934	0.00793	1.3883	0.2387
stress82	0.0158	0.00826	3.6452	0.0562
stress82_miss	0.0172	0.0455	0.1423	0.7060
hhighsch	-0.0296	0.00960	9.4778	0.0021
hcollege	-0.0461	0.0104	19.6239	<.0001
hgradsch	-0.0451	0.0110	16.7837	<.0001
lbmi18_2	0.0177	0.00878	4.0539	0.0441
lbmi18_3	0.0444	0.0141	9.9372	0.0016
lbmi18_4	0.0764	0.0333	5.2532	0.0219
baseage	-0.0788	0.00746	111.6285	<.0001
baseage_sq	0.000728	0.000074	97.9292	<.0001
bmi80_1	-0.00750	0.0494	0.0230	0.8794
bmi80_2	-0.0127	0.0332	0.1460	0.7024
bmi80_3	-0.00249	0.0316	0.0062	0.9373
bmi80_4	0.00272	0.0301	0.0082	0.9279
bmi80_5	-0.0138	0.0288	0.2290	0.6323
act80_1	0.0131	0.0101	1.6722	0.1960
act80_2	0.0205	0.0118	3.0124	0.0826
act80_3	0.0145	0.0105	1.9001	0.1681
alc80_1	-0.0448	0.0121	13.6398	0.0002

alc80_2	-0.0289	0.0115	6.2949	0.0121
alc80_3	-0.0327	0.0128	6.5559	0.0105
rpmeats80_1	0.0482	0.0201	5.7437	0.0165
rpmeats80_2	0.0143	0.0125	1.2995	0.2543
rpmeats80_3	-0.0288	0.0107	7.2854	0.0070
rpmeats80_4	0.00426	0.00959	0.1970	0.6571
coff80_1	0.0238	0.0103	5.3501	0.0207
coff80_2	-0.00514	0.0146	0.1246	0.7241
coff80_3	-0.0191	0.0225	0.7146	0.3979
whgrn80_1	-0.0319	0.0103	9.5461	0.0020
whgrn80_2	-0.0302	0.0110	7.6097	0.0058
soda80_1	-0.00994	0.0132	0.5639	0.4527
soda80_2	-0.0167	0.0116	2.0705	0.1502
soda80_3	-0.0351	0.0114	9.3770	0.0022
soda80_4	-0.00954	0.0110	0.7552	0.3848
cig80_1	0.00875	0.0295	0.0878	0.7670
cig80_2	-0.0176	0.0367	0.2313	0.6306
cig80_3	-0.00956	0.0321	0.0886	0.7659
cig80_4	-0.00336	0.0284	0.0140	0.9058
period_2	-0.9704	0.0551	310.2518	<.0001
period_3	-0.3539	0.0444	63.5030	<.0001
period_4	0.1799	0.0338	28.3028	<.0001
period_5	-0.1523	0.0435	12.2468	0.0005
period_6	0.0354	0.0194	3.3239	0.0683
period_7	-0.4495	0.0391	132.2054	<.0001
period_8	-0.2153	0.0187	133.1534	<.0001
period_9	0.8138	0.0392	430.0024	<.0001
period_10	0.0354	0.0181	3.8154	0.0508
period_11	-0.0787	0.0392	4.0404	0.0444
mnp_l2	-0.0271	0.0158	2.9510	0.0858
mnp_l1	-0.0459	0.0205	5.0062	0.0253
pmh_l2	0.00261	0.0115	0.0518	0.8199
pmh_l1	-0.00626	0.0128	0.2387	0.6251
ost_l2	0.0266	0.0235	1.2735	0.2591
ost_l1	-0.0389	0.0285	1.8674	0.1718

rpmeats_l1_1	0.0649	0.0455	2.0345	0.1538
rpmeats_l1_1_ti	-0.0671	0.0239	7.9129	0.0049
rpmeats_l1_2	-0.00435	0.0358	0.0148	0.9032
rpmeats_l1_2_ti	-0.0269	0.0195	1.9081	0.1672
rpmeats_l1_3	-0.0712	0.0340	4.3857	0.0362
rpmeats_l1_3_ti	0.0167	0.0187	0.7939	0.3729
rpmeats_l1_4	-0.0384	0.0290	1.7548	0.1853
rpmeats_l1_4_ti	0.00608	0.0165	0.1354	0.7129
coff_l1_1	0.0538	0.0387	1.9344	0.1643
coff_l1_1_ti	-0.0435	0.0191	5.1887	0.0227
coff_l1_2	0.0582	0.0473	1.5147	0.2184
coff_l1_2_ti	-0.0385	0.0249	2.3847	0.1225
coff_l1_3	0.0441	0.0548	0.6489	0.4205
coff_l1_3_ti	-0.00706	0.0296	0.0569	0.8114
coff_l1_4	0.0737	0.0252	8.5899	0.0034
coff_l1_4_ti	-0.0257	0.0135	3.6166	0.0572
whgrn_l1_1	0.0507	0.0376	1.8209	0.1772
whgrn_l1_1_ti	-0.0239	0.0201	1.4192	0.2335
whgrn_l1_2	0.00419	0.0375	0.0125	0.9110
whgrn_l1_2_ti	-0.00879	0.0202	0.1900	0.6629
whgrn_l1_3	-0.0406	0.0392	1.0731	0.3002
whgrn_l1_3_ti	0.0275	0.0210	1.7149	0.1904
whgrn_l1_4	0.0110	0.0399	0.0763	0.7823
whgrn_l1_4_ti	-0.00437	0.0213	0.0419	0.8378
soda_l1_1	0.0728	0.0329	4.8874	0.0271
soda_l1_1_ti	-0.0301	0.0110	7.5033	0.0062
soda_l1_2	0.0299	0.0271	1.2167	0.2700
soda_l1_2_ti	-0.0145	0.00900	2.5905	0.1075
soda_l1_3	0.0395	0.0264	2.2375	0.1347
soda_l1_3_ti	-0.0248	0.00905	7.5373	0.0060
soda_l1_4	0.0273	0.0260	1.1060	0.2930
soda_l1_4_ti	-0.0116	0.00928	1.5572	0.2121
cal_l1_1	0.0764	0.0408	3.5141	0.0609
cal_l1_1_ti	-0.0273	0.0217	1.5867	0.2078
cal_l1_2	0.0361	0.0372	0.9445	0.3311

cal_l1_2_ti	-0.00047	0.0200	0.0006	0.9810
cal_l1_3	0.0102	0.0356	0.0823	0.7742
cal_l1_3_ti	0.0143	0.0193	0.5501	0.4583
cal_l1_4	-0.00097	0.0344	0.0008	0.9774
cal_l1_4_ti	0.00448	0.0188	0.0569	0.8115
alc_l1_1	-0.0635	0.0337	3.5444	0.0597
alc_l1_1_ti	-0.00132	0.0157	0.0071	0.9330
alc_l1_2	-0.0955	0.0333	8.2128	0.0042
alc_l1_2_ti	0.0271	0.0167	2.6167	0.1057
alc_l1_3	-0.1026	0.0393	6.8033	0.0091
alc_l1_3_ti	0.0362	0.0212	2.9091	0.0881
cig_l2_1	-0.0761	0.0476	2.5552	0.1099
cig_l1_1	0.0618	0.0544	1.2921	0.2557
cig_l2_2	-0.0366	0.0552	0.4406	0.5068
cig_l1_2	0.0710	0.0615	1.3329	0.2483
cig_l2_3	-0.00862	0.0487	0.0314	0.8594
cig_l1_3	0.0246	0.0544	0.2052	0.6505
cig_l2_4	-0.00870	0.0430	0.0409	0.8397
cig_l1_4	0.0162	0.0482	0.1129	0.7369
mvi_l2	-0.00566	0.00777	0.5309	0.4662
mvi_l1	-0.00819	0.00826	0.9828	0.3215
act_l1_1	0.0452	0.0149	9.1693	0.0025
act_l1_1_ti	-0.0399	0.0124	10.3982	0.0013
act_l1_2	0.0335	0.0161	4.3270	0.0375
act_l1_2_ti	-0.0443	0.0146	9.1557	0.0025
act_l1_3	0.00654	0.0268	0.0597	0.8069
act_l1_3_ti	-0.0144	0.0294	0.2422	0.6226
act_l1_4	0.0150	0.0175	0.7334	0.3918
act_l1_4_ti	-0.0320	0.0151	4.4957	0.0340
act_l1_5	0.0168	0.0278	0.3679	0.5442
act_l1_5_ti	-0.0640	0.0330	3.7509	0.0528
can_l2	-0.1087	0.0320	11.5536	0.0007
can_l1	-0.2351	0.0375	39.3057	<.0001
bmi_l2_1	-0.1908	0.0614	9.6483	0.0019
bmi_l1_1	-0.1323	0.0642	4.2478	0.0393

bmi_l2_2	-0.1273	0.0373	11.6260	0.0007
bmi_l1_2	-0.1145	0.0393	8.5078	0.0035
bmi_l2_3	-0.1099	0.0346	10.0930	0.0015
bmi_l1_3	-0.1109	0.0363	9.3358	0.0022
bmi_l2_4	-0.0785	0.0320	6.0098	0.0142
bmi_l1_4	-0.0793	0.0336	5.5829	0.0181
bmi_l2_5	-0.0632	0.0281	5.0540	0.0246
bmi_l1_5	-0.0463	0.0292	2.5216	0.1123
chl_l2	0.0122	0.0156	0.6054	0.4365
chl_l1	0.0111	0.0197	0.3192	0.5721
hbp_l2	0.0378	0.0185	4.1817	0.0409
hbp_l1	0.1229	0.0243	25.4923	<.0001
sta_l1	0.4678	0.0176	703.6068	<.0001
sta_l1_ti	-0.0838	0.0203	17.1276	<.0001
asn_l2_1	0.8914	0.0121	5422.1491	<.0001
asn_l1_1	3.0994	0.0119	67516.5959	<.0001
asn_l2_2	0.2668	0.0121	483.0398	<.0001
asn_l1_2	0.5432	0.0120	2065.1702	<.0001
angcbg_l2	0.2183	0.0486	20.1657	<.0001
angcbg_l1	-0.3739	0.0440	72.0668	<.0001
str_l2	0.1985	0.0981	4.0942	0.0430
str_l1	0.0364	0.0818	0.1979	0.6564
mi_l2	0.3700	0.1204	9.4465	0.0021
mi_l1	-0.4941	0.1052	22.0720	<.0001
mnp	0.0637	0.0174	13.3734	0.0003
pmh	-0.0281	0.0110	6.5499	0.0105
ost	0.0850	0.0201	17.8514	<.0001
rpmeats_1	0.1212	0.0202	35.9838	<.0001
rpmeats_1_ti	-0.1207	0.0242	24.8573	<.0001
rpmeats_2	0.0787	0.0178	19.5164	<.0001
rpmeats_2_ti	-0.0721	0.0200	12.9561	0.0003
rpmeats_3	0.0716	0.0170	17.7178	<.0001
rpmeats_3_ti	-0.0214	0.0195	1.2124	0.2709
rpmeats_4	0.0661	0.0160	16.9897	<.0001
rpmeats_4_ti	-0.0184	0.0174	1.1178	0.2904

coff_1	0.1258	0.0251	25.2141	<.0001
coff_1_ti	-0.0424	0.0193	4.8140	0.0282
coff_2	0.1032	0.0222	21.6904	<.0001
coff_2_ti	-0.0229	0.0254	0.8173	0.3660
coff_3	0.00450	0.0239	0.0356	0.8504
coff_3_ti	0.0162	0.0304	0.2821	0.5953
coff_4	0.0134	0.0129	1.0817	0.2983
coff_4_ti	-0.0236	0.0138	2.9194	0.0875
whgrn_1	0.0168	0.0185	0.8227	0.3644
whgrn_1_ti	0.00734	0.0205	0.1284	0.7201
whgrn_2	-0.00873	0.0165	0.2780	0.5980
whgrn_2_ti	0.00773	0.0207	0.1398	0.7085
whgrn_3	-0.00295	0.0156	0.0359	0.8498
whgrn_3_ti	0.0210	0.0215	0.9523	0.3291
whgrn_4	-0.0465	0.0147	9.9346	0.0016
whgrn_4_ti	0.0181	0.0219	0.6793	0.4098
soda_1	0.0114	0.0227	0.2532	0.6149
soda_1_ti	-0.00350	0.0115	0.0925	0.7611
soda_2	0.000117	0.0190	0.0000	0.9951
soda_2_ti	-0.0117	0.00950	1.5142	0.2185
soda_3	-0.0128	0.0181	0.5046	0.4775
soda_3_ti	-0.0102	0.00959	1.1335	0.2870
soda_4	-0.00601	0.0172	0.1213	0.7276
soda_4_ti	-0.00416	0.00988	0.1774	0.6736
cal_1	0.0263	0.0207	1.6148	0.2038
cal_1_ti	-0.0311	0.0220	1.9965	0.1577
cal_2	0.0133	0.0182	0.5341	0.4649
cal_2_ti	0.00388	0.0204	0.0361	0.8494
cal_3	0.0149	0.0167	0.7916	0.3736
cal_3_ti	0.00828	0.0198	0.1739	0.6766
cal_4	0.00472	0.0155	0.0928	0.7606
cal_4_ti	0.00974	0.0195	0.2496	0.6173
alc_1	0.2146	0.0213	101.9417	<.0001
alc_1_ti	-0.0123	0.0159	0.6003	0.4385
alc_2	0.1018	0.0193	27.8347	<.0001

alc_2_ti	0.0273	0.0170	2.5742	0.1086
alc_3	0.0284	0.0195	2.1264	0.1448
alc_3_ti	0.0302	0.0219	1.9038	0.1677
cig_1	0.0119	0.0531	0.0501	0.8229
cig_2	-0.0604	0.0608	0.9857	0.3208
cig_3	-0.0349	0.0543	0.4134	0.5203
cig_4	-0.00461	0.0493	0.0087	0.9256
mvi	-0.1678	0.00801	439.4033	<.0001
act_1	0.1214	0.0134	82.1154	<.0001
act_1_ti	-0.0737	0.0158	21.8822	<.0001
act_2	0.0660	0.0143	21.2805	<.0001
act_2_ti	-0.0474	0.0185	6.5687	0.0104
act_3	0.0458	0.0238	3.6897	0.0547
act_3_ti	-0.0130	0.0320	0.1658	0.6839
act_4	0.0652	0.0154	17.8503	<.0001
act_4_ti	-0.0335	0.0217	2.3874	0.1223
act_5	0.0382	0.0247	2.3861	0.1224
act_5_ti	-0.0104	0.0343	0.0921	0.7615
can	0.3845	0.0254	229.4293	<.0001
bmi_1	0.4863	0.0551	77.9731	<.0001
bmi_2	0.2669	0.0344	60.3165	<.0001
bmi_3	0.2119	0.0318	44.4994	<.0001
bmi_4	0.1391	0.0293	22.5485	<.0001
bmi_5	0.0903	0.0259	12.1814	0.0005
chl	-0.0334	0.0148	5.1088	0.0238
hbp	-0.2298	0.0178	167.1378	<.0001
sta	-0.8691	0.0155	3164.2563	<.0001
sta_ti	0.1215	0.0198	37.6482	<.0001

(CC) Logistic model to estimate the probability of taking aspirin daily (vs. no aspirin)

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-1.5806	0.2663	35.2395	<.0001
fhx	-0.0133	0.0116	1.2994	0.2543
smkhx	-0.0417	0.0110	14.5018	0.0001
ochx	-0.0303	0.00999	9.1787	0.0024
employed_1	0.0370	0.0184	4.0603	0.0439
employed_2	0.0689	0.0299	5.3108	0.0212
employed_3	0.00812	0.0150	0.2938	0.5878
employed_4	0.0637	0.0195	10.6603	0.0011
employed_5	0.0138	0.0138	1.0055	0.3160
employed_6	0.0529	0.0204	6.7169	0.0096
employed_miss	0.0124	0.0668	0.0344	0.8529
mar80	0.0253	0.0175	2.0716	0.1501
college	0.0504	0.0107	22.3260	<.0001
stress82	-0.0200	0.0111	3.2444	0.0717
stress82_miss	0.0259	0.0619	0.1745	0.6762
hhighsch	-0.0861	0.0131	43.2832	<.0001
hcollege	-0.0644	0.0142	20.7259	<.0001
hgradsch	-0.0729	0.0150	23.7997	<.0001
lbmi18_2	-0.0250	0.0117	4.6066	0.0318
lbmi18_3	-0.0945	0.0188	25.4024	<.0001
lbmi18_4	-0.1786	0.0442	16.3009	<.0001
baseage	-0.00323	0.0102	0.0991	0.7529
baseage_sq	-0.00018	0.000100	3.0517	0.0807
bmi80_1	0.0371	0.0665	0.3119	0.5765
bmi80_2	0.0785	0.0438	3.2164	0.0729
bmi80_3	0.0704	0.0416	2.8583	0.0909
bmi80_4	0.0298	0.0396	0.5692	0.4506
bmi80_5	-0.00248	0.0378	0.0043	0.9477
act80_1	0.00869	0.0134	0.4236	0.5151
act80_2	0.0742	0.0157	22.3801	<.0001
act80_3	0.0305	0.0138	4.9198	0.0266
alc80_1	0.0117	0.0160	0.5320	0.4658

alc80_2	0.0334	0.0152	4.8469	0.0277
alc80_3	0.0328	0.0168	3.8163	0.0508
rpmeats80_1	0.0534	0.0271	3.8662	0.0493
rpmeats80_2	0.0114	0.0168	0.4624	0.4965
rpmeats80_3	-0.00631	0.0141	0.1993	0.6553
rpmeats80_4	-0.0181	0.0128	2.0026	0.1570
coff80_1	-0.0524	0.0138	14.4545	0.0001
coff80_2	0.0172	0.0197	0.7692	0.3805
coff80_3	0.0851	0.0305	7.7934	0.0052
whgrn80_1	-0.0167	0.0137	1.4760	0.2244
whgrn80_2	0.0219	0.0145	2.2660	0.1322
soda80_1	0.0409	0.0176	5.3885	0.0203
soda80_2	0.0611	0.0156	15.4468	<.0001
soda80_3	0.0587	0.0153	14.7299	0.0001
soda80_4	0.00674	0.0147	0.2110	0.6460
cig80_1	0.0520	0.0387	1.8072	0.1788
cig80_2	0.1359	0.0484	7.8911	0.0050
cig80_3	0.0305	0.0421	0.5251	0.4687
cig80_4	-0.0104	0.0373	0.0782	0.7797
period_2	1.5310	0.0760	405.8091	<.0001
period_3	1.2986	0.0594	478.3258	<.0001
period_4	1.2608	0.0490	662.6079	<.0001
period_5	0.8967	0.0581	238.2128	<.0001
period_6	-0.6857	0.0252	737.9062	<.0001
period_7	1.0329	0.0514	403.8254	<.0001
period_8	0.5685	0.0236	578.2913	<.0001
period_9	0.7634	0.0524	212.1721	<.0001
period_10	0.2805	0.0234	143.8430	<.0001
period_11	-0.1548	0.0519	8.9084	0.0028
mnp_l2	-0.0120	0.0215	0.3085	0.5786
mnp_l1	-0.00119	0.0287	0.0017	0.9670
pmh_l2	-0.0546	0.0148	13.6054	0.0002
pmh_l1	-0.0293	0.0167	3.0967	0.0785
ost_l2	-0.0182	0.0302	0.3649	0.5458
ost_l1	0.0750	0.0366	4.2072	0.0403

rpmeats_l1_1	0.0263	0.0684	0.1481	0.7004
rpmeats_l1_1_ti	-0.00505	0.0355	0.0202	0.8869
rpmeats_l1_2	-0.00682	0.0525	0.0169	0.8967
rpmeats_l1_2_ti	-0.00352	0.0282	0.0156	0.9005
rpmeats_l1_3	-0.00195	0.0492	0.0016	0.9683
rpmeats_l1_3_ti	0.00315	0.0267	0.0138	0.9064
rpmeats_l1_4	0.0141	0.0427	0.1089	0.7414
rpmeats_l1_4_ti	-0.00908	0.0239	0.1446	0.7037
coff_l1_1	-0.0962	0.0574	2.8085	0.0938
coff_l1_1_ti	0.0591	0.0282	4.3994	0.0360
coff_l1_2	-0.1265	0.0693	3.3310	0.0680
coff_l1_2_ti	0.0775	0.0362	4.5855	0.0322
coff_l1_3	-0.0900	0.0806	1.2454	0.2644
coff_l1_3_ti	0.0881	0.0429	4.2155	0.0401
coff_l1_4	-0.0494	0.0364	1.8373	0.1753
coff_l1_4_ti	0.0220	0.0193	1.2941	0.2553
whgrn_l1_1	0.00155	0.0544	0.0008	0.9773
whgrn_l1_1_ti	0.0119	0.0288	0.1709	0.6793
whgrn_l1_2	0.00394	0.0542	0.0053	0.9420
whgrn_l1_2_ti	0.0115	0.0288	0.1598	0.6894
whgrn_l1_3	-0.0197	0.0559	0.1239	0.7248
whgrn_l1_3_ti	0.0124	0.0296	0.1763	0.6746
whgrn_l1_4	0.0170	0.0575	0.0872	0.7677
whgrn_l1_4_ti	0.00887	0.0304	0.0851	0.7704
soda_l1_1	0.0996	0.0440	5.1171	0.0237
soda_l1_1_ti	-0.0195	0.0157	1.5311	0.2159
soda_l1_2	0.0861	0.0363	5.6456	0.0175
soda_l1_2_ti	-0.0168	0.0130	1.6791	0.1950
soda_l1_3	0.0633	0.0355	3.1683	0.0751
soda_l1_3_ti	-0.00436	0.0132	0.1100	0.7401
soda_l1_4	0.0858	0.0348	6.0648	0.0138
soda_l1_4_ti	-0.0204	0.0133	2.3256	0.1273
cal_l1_1	-0.0556	0.0594	0.8762	0.3492
cal_l1_1_ti	0.0311	0.0313	0.9908	0.3196
cal_l1_2	0.0421	0.0546	0.5937	0.4410

cal_l1_2_ti	-0.0343	0.0290	1.3986	0.2370
cal_l1_3	-0.00768	0.0515	0.0222	0.8816
cal_l1_3_ti	-0.0101	0.0276	0.1355	0.7128
cal_l1_4	0.0339	0.0500	0.4601	0.4976
cal_l1_4_ti	-0.00541	0.0269	0.0404	0.8408
alc_l1_1	0.0420	0.0472	0.7916	0.3736
alc_l1_1_ti	-0.0432	0.0221	3.8069	0.0510
alc_l1_2	0.1100	0.0473	5.4152	0.0200
alc_l1_2_ti	-0.0544	0.0237	5.2721	0.0217
alc_l1_3	0.1117	0.0562	3.9495	0.0469
alc_l1_3_ti	-0.0608	0.0299	4.1338	0.0420
cig_l2_1	0.1533	0.0641	5.7163	0.0168
cig_l1_1	0.2044	0.0728	7.8886	0.0050
cig_l2_2	0.2090	0.0745	7.8623	0.0050
cig_l1_2	0.1050	0.0824	1.6241	0.2025
cig_l2_3	0.1136	0.0654	3.0207	0.0822
cig_l1_3	0.1301	0.0727	3.2022	0.0735
cig_l2_4	0.0784	0.0578	1.8396	0.1750
cig_l1_4	0.1088	0.0646	2.8360	0.0922
mvi_l2	-0.0128	0.0106	1.4551	0.2277
mvi_l1	-0.0381	0.0113	11.4078	0.0007
act_l1_1	-0.0396	0.0189	4.3903	0.0361
act_l1_1_ti	0.0316	0.0171	3.4367	0.0638
act_l1_2	-0.0158	0.0204	0.6038	0.4371
act_l1_2_ti	0.0265	0.0204	1.6897	0.1936
act_l1_3	0.00348	0.0340	0.0105	0.9184
act_l1_3_ti	-0.0388	0.0412	0.8873	0.3462
act_l1_4	-0.0299	0.0220	1.8348	0.1756
act_l1_4_ti	0.0291	0.0208	1.9475	0.1629
act_l1_5	-0.0184	0.0350	0.2777	0.5982
act_l1_5_ti	0.0598	0.0460	1.6891	0.1937
can_l2	0.0356	0.0430	0.6869	0.4072
can_l1	-0.1415	0.0517	7.4862	0.0062
bmi_l2_1	0.0672	0.0835	0.6478	0.4209
bmi_l1_1	0.0309	0.0875	0.1250	0.7237

bmi_l2_2	0.0743	0.0499	2.2207	0.1362
bmi_l1_2	-0.00406	0.0527	0.0059	0.9386
bmi_l2_3	0.0780	0.0460	2.8716	0.0902
bmi_l1_3	0.0151	0.0484	0.0968	0.7557
bmi_l2_4	0.0774	0.0425	3.3130	0.0687
bmi_l1_4	-0.0137	0.0447	0.0944	0.7587
bmi_l2_5	0.0771	0.0374	4.2635	0.0389
bmi_l1_5	0.00180	0.0389	0.0021	0.9630
chl_l2	0.0718	0.0203	12.4753	0.0004
chl_l1	-0.0214	0.0260	0.6767	0.4107
hbp_l2	0.0439	0.0231	3.6101	0.0574
hbp_l1	0.0697	0.0301	5.3550	0.0207
sta_l1	0.1500	0.0215	48.6458	<.0001
sta_l1_ti	-0.0629	0.0247	6.4748	0.0109
asn_l2_1	0.5487	0.0141	1513.7902	<.0001
asn_l1_1	1.3546	0.0147	8461.5456	<.0001
asn_l2_2	0.8145	0.0122	4441.9003	<.0001
asn_l1_2	2.3001	0.0116	39035.9918	<.0001
angcbg_l2	0.4817	0.0538	80.0380	<.0001
angcbg_l1	-0.5611	0.0484	134.1481	<.0001
str_l2	0.4797	0.1323	13.1496	0.0003
str_l1	-0.6162	0.1119	30.3289	<.0001
mi_l2	0.4898	0.1325	13.6559	0.0002
mi_l1	-0.8390	0.1164	51.9265	<.0001
mnp	-0.1485	0.0253	34.5240	<.0001
pmh	-0.0253	0.0144	3.0760	0.0795
ost	-0.1372	0.0259	28.0592	<.0001
rpmeats_1	-0.1095	0.0270	16.3986	<.0001
rpmeats_1_ti	0.0311	0.0360	0.7473	0.3873
rpmeats_2	-0.0483	0.0240	4.0585	0.0439
rpmeats_2_ti	0.0222	0.0290	0.5873	0.4434
rpmeats_3	-0.0473	0.0230	4.2420	0.0394
rpmeats_3_ti	0.0344	0.0278	1.5355	0.2153
rpmeats_4	0.00113	0.0220	0.0026	0.9591
rpmeats_4_ti	0.0111	0.0252	0.1926	0.6608

coff_1	-0.0521	0.0344	2.2866	0.1305
coff_1_ti	0.0680	0.0285	5.6832	0.0171
coff_2	-0.0273	0.0297	0.8393	0.3596
coff_2_ti	0.0745	0.0369	4.0842	0.0433
coff_3	0.0220	0.0312	0.4970	0.4808
coff_3_ti	0.0967	0.0441	4.8069	0.0283
coff_4	0.00571	0.0171	0.1111	0.7389
coff_4_ti	0.0201	0.0198	1.0361	0.3087
whgrn_1	0.0709	0.0249	8.1091	0.0044
whgrn_1_ti	-0.0231	0.0294	0.6161	0.4325
whgrn_2	0.0826	0.0221	13.9996	0.0002
whgrn_2_ti	-0.0146	0.0295	0.2463	0.6197
whgrn_3	0.0470	0.0206	5.2027	0.0226
whgrn_3_ti	-0.00339	0.0304	0.0125	0.9111
whgrn_4	0.0320	0.0193	2.7425	0.0977
whgrn_4_ti	0.000501	0.0312	0.0003	0.9872
soda_1	-0.00103	0.0298	0.0012	0.9726
soda_1_ti	-0.0343	0.0157	4.7392	0.0295
soda_2	-0.0131	0.0251	0.2740	0.6006
soda_2_ti	-0.00051	0.0131	0.0015	0.9689
soda_3	0.000061	0.0239	0.0000	0.9980
soda_3_ti	0.00690	0.0133	0.2687	0.6042
soda_4	0.000549	0.0229	0.0006	0.9809
soda_4_ti	-0.0289	0.0136	4.5309	0.0333
cal_1	-0.0421	0.0276	2.3309	0.1268
cal_1_ti	0.0320	0.0318	1.0120	0.3144
cal_2	-0.0425	0.0242	3.0844	0.0790
cal_2_ti	-0.00824	0.0296	0.0773	0.7810
cal_3	-0.0238	0.0222	1.1489	0.2838
cal_3_ti	0.0158	0.0284	0.3090	0.5783
cal_4	-0.0254	0.0205	1.5252	0.2168
cal_4_ti	0.00465	0.0279	0.0278	0.8676
alc_1	0.0685	0.0279	6.0399	0.0140
alc_1_ti	-0.0478	0.0223	4.5904	0.0322
alc_2	0.0677	0.0252	7.2041	0.0073

alc_2_ti	-0.0510	0.0241	4.4912	0.0341
alc_3	0.0465	0.0252	3.3961	0.0653
alc_3_ti	-0.0241	0.0308	0.6126	0.4338
cig_1	-0.1520	0.0712	4.5576	0.0328
cig_2	-0.0941	0.0816	1.3279	0.2492
cig_3	-0.00202	0.0729	0.0008	0.9779
cig_4	-0.00595	0.0664	0.0080	0.9287
mvi	-0.1061	0.0110	93.7643	<.0001
act_1	0.0496	0.0174	8.1451	0.0043
act_1_ti	-0.00994	0.0238	0.1744	0.6762
act_2	0.0666	0.0185	12.8795	0.0003
act_2_ti	-0.00893	0.0280	0.1015	0.7500
act_3	0.0493	0.0314	2.4623	0.1166
act_3_ti	-0.0221	0.0492	0.2015	0.6535
act_4	0.0438	0.0201	4.7476	0.0293
act_4_ti	-0.0118	0.0329	0.1290	0.7194
act_5	0.0443	0.0322	1.8922	0.1690
act_5_ti	0.0238	0.0536	0.1970	0.6572
can	0.0939	0.0356	6.9640	0.0083
bmi_1	0.0709	0.0753	0.8877	0.3461
bmi_2	0.1162	0.0460	6.3732	0.0116
bmi_3	0.0862	0.0423	4.1453	0.0418
bmi_4	0.0685	0.0389	3.0985	0.0784
bmi_5	0.0239	0.0343	0.4840	0.4866
chl	-0.1322	0.0198	44.6852	<.0001
hbp	-0.3000	0.0220	186.0517	<.0001
sta	-0.3438	0.0188	333.5372	<.0001
sta_ti	0.00284	0.0236	0.0145	0.9043

(DD) Logistic model to estimate the probability of incident angina or CABG

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-8.2550	0.9722	72.1049	<.0001
fhx	0.1634	0.0372	19.2443	<.0001
smkhx	0.1337	0.0379	12.4587	0.0004
ochx	0.0901	0.0341	6.9776	0.0083
employed_1	0.0331	0.0636	0.2705	0.6030
employed_2	0.1986	0.0979	4.1177	0.0424
employed_3	0.0672	0.0510	1.7337	0.1879
employed_4	0.1185	0.0672	3.1117	0.0777
employed_5	0.0399	0.0473	0.7123	0.3987
employed_6	-0.0184	0.0728	0.0640	0.8003
employed_miss	0.5702	0.2527	5.0912	0.0240
mar80	-0.0827	0.0550	2.2582	0.1329
college	-0.0136	0.0378	0.1303	0.7181
stress82	0.2091	0.0404	26.7422	<.0001
stress82_miss	-0.1365	0.2406	0.3220	0.5704
hhighsch	0.0494	0.0426	1.3438	0.2464
hcollege	-0.0667	0.0487	1.8767	0.1707
hgradsch	-0.1483	0.0536	7.6571	0.0057
lbmi18_2	-0.0187	0.0390	0.2299	0.6316
lbmi18_3	-0.0491	0.0599	0.6720	0.4124
lbmi18_4	-0.1623	0.1358	1.4274	0.2322
baseage	0.0118	0.0370	0.1022	0.7492
baseage_sq	0.000321	0.000355	0.8203	0.3651
bmi80_1	0.000744	0.2369	0.0000	0.9975
bmi80_2	-0.1791	0.1398	1.6421	0.2000
bmi80_3	-0.0751	0.1300	0.3340	0.5633
bmi80_4	-0.00920	0.1214	0.0057	0.9396
bmi80_5	0.0211	0.1133	0.0346	0.8525
act80_1	-0.0124	0.0475	0.0684	0.7937
act80_2	-0.00679	0.0562	0.0146	0.9038
act80_3	0.0462	0.0498	0.8602	0.3537
alc80_1	-0.0187	0.0556	0.1126	0.7372

alc80_2	-0.0430	0.0540	0.6321	0.4266
alc80_3	0.0705	0.0592	1.4153	0.2342
rpmeats80_1	0.0422	0.0887	0.2259	0.6346
rpmeats80_2	-0.0286	0.0567	0.2550	0.6136
rpmeats80_3	0.0290	0.0482	0.3603	0.5484
rpmeats80_4	-0.0293	0.0441	0.4406	0.5068
coff80_1	0.0703	0.0455	2.3830	0.1227
coff80_2	-0.0487	0.0697	0.4888	0.4845
coff80_3	0.0399	0.1010	0.1562	0.6927
whgrn80_1	0.00785	0.0464	0.0286	0.8656
whgrn80_2	0.00990	0.0488	0.0412	0.8391
soda80_1	0.0924	0.0593	2.4315	0.1189
soda80_2	-0.0192	0.0533	0.1297	0.7188
soda80_3	0.0295	0.0519	0.3225	0.5701
soda80_4	0.00607	0.0495	0.0150	0.9024
cig80_1	-0.4636	0.1156	16.0828	<.0001
cig80_2	-0.2758	0.1527	3.2650	0.0708
cig80_3	-0.2345	0.1281	3.3529	0.0671
cig80_4	-0.2075	0.1098	3.5750	0.0587
period_2	2.1780	0.2284	90.9746	<.0001
period_3	1.5617	0.2121	54.2285	<.0001
period_4	1.6792	0.1713	96.0396	<.0001
period_5	1.4622	0.2108	48.1201	<.0001
period_6	0.9821	0.1013	93.9788	<.0001
period_7	1.2406	0.1895	42.8687	<.0001
period_8	1.1292	0.0938	144.7987	<.0001
period_9	1.0373	0.1907	29.5907	<.0001
period_10	0.9038	0.0913	98.0213	<.0001
period_11	-0.7083	0.2104	11.3352	0.0008
mnp_l2	-0.1204	0.0742	2.6318	0.1047
mnp_l1	-0.0474	0.0994	0.2273	0.6336
pmh_l2	0.1107	0.0526	4.4338	0.0352
pmh_l1	0.1104	0.0588	3.5255	0.0604
ost_l2	-0.00151	0.0879	0.0003	0.9863
ost_l1	0.0219	0.1059	0.0429	0.8358

rpmeats_l1_1	-0.0467	0.1573	0.0881	0.7667
rpmeats_l1_1_ti	-0.0491	0.0863	0.3236	0.5695
rpmeats_l1_2	-0.1650	0.1297	1.6202	0.2031
rpmeats_l1_2_ti	0.0782	0.0743	1.1095	0.2922
rpmeats_l1_3	-0.0691	0.1219	0.3209	0.5711
rpmeats_l1_3_ti	0.0288	0.0716	0.1618	0.6875
rpmeats_l1_4	0.0796	0.1014	0.6159	0.4326
rpmeats_l1_4_ti	-0.0344	0.0629	0.3002	0.5837
coff_l1_1	-0.0283	0.1424	0.0395	0.8425
coff_l1_1_ti	-0.0341	0.0726	0.2212	0.6381
coff_l1_2	-0.2607	0.1816	2.0619	0.1510
coff_l1_2_ti	0.1644	0.0977	2.8342	0.0923
coff_l1_3	0.2344	0.1734	1.8275	0.1764
coff_l1_3_ti	-0.0544	0.0996	0.2980	0.5852
coff_l1_4	-0.0719	0.0903	0.6332	0.4262
coff_l1_4_ti	-0.00492	0.0511	0.0093	0.9234
whgrn_l1_1	0.1165	0.1342	0.7544	0.3851
whgrn_l1_1_ti	0.0175	0.0751	0.0540	0.8162
whgrn_l1_2	0.00324	0.1344	0.0006	0.9808
whgrn_l1_2_ti	0.0112	0.0760	0.0217	0.8828
whgrn_l1_3	0.0472	0.1370	0.1184	0.7307
whgrn_l1_3_ti	0.0341	0.0767	0.1972	0.6570
whgrn_l1_4	0.2471	0.1322	3.4946	0.0616
whgrn_l1_4_ti	-0.0845	0.0747	1.2773	0.2584
soda_l1_1	-0.1015	0.1486	0.4665	0.4946
soda_l1_1_ti	0.0563	0.0492	1.3115	0.2521
soda_l1_2	-0.00806	0.1208	0.0044	0.9468
soda_l1_2_ti	0.00575	0.0403	0.0204	0.8865
soda_l1_3	-0.1068	0.1202	0.7893	0.3743
soda_l1_3_ti	0.0207	0.0416	0.2468	0.6193
soda_l1_4	0.0383	0.1172	0.1071	0.7435
soda_l1_4_ti	-0.00021	0.0422	0.0000	0.9961
cal_l1_1	0.0653	0.1443	0.2047	0.6510
cal_l1_1_ti	-0.1409	0.0804	3.0758	0.0795
cal_l1_2	-0.0845	0.1341	0.3974	0.5285

cal_l1_2_ti	-0.1014	0.0760	1.7806	0.1821
cal_l1_3	-0.00765	0.1256	0.0037	0.9514
cal_l1_3_ti	-0.0481	0.0715	0.4534	0.5007
cal_l1_4	0.0117	0.1206	0.0094	0.9228
cal_l1_4_ti	-0.0727	0.0697	1.0854	0.2975
alc_l1_1	0.2675	0.1294	4.2733	0.0387
alc_l1_1_ti	-0.1227	0.0602	4.1474	0.0417
alc_l1_2	0.1598	0.1283	1.5519	0.2129
alc_l1_2_ti	-0.0774	0.0660	1.3742	0.2411
alc_l1_3	-0.0678	0.1564	0.1881	0.6645
alc_l1_3_ti	0.0827	0.0872	0.8995	0.3429
cig_l2_1	-0.2563	0.1812	2.0001	0.1573
cig_l1_1	-0.8606	0.1921	20.0732	<.0001
cig_l2_2	-0.1127	0.2185	0.2661	0.6060
cig_l1_2	-0.6276	0.2343	7.1787	0.0074
cig_l2_3	-0.2525	0.1902	1.7625	0.1843
cig_l1_3	-0.4983	0.2011	6.1386	0.0132
cig_l2_4	-0.0188	0.1615	0.0136	0.9072
cig_l1_4	-0.1634	0.1716	0.9069	0.3409
mvi_l2	0.00912	0.0349	0.0684	0.7937
mvi_l1	-0.0569	0.0364	2.4387	0.1184
act_l1_1	0.1381	0.0739	3.4926	0.0616
act_l1_1_ti	-0.0342	0.0551	0.3845	0.5352
act_l1_2	0.0968	0.0804	1.4470	0.2290
act_l1_2_ti	0.0576	0.0642	0.8045	0.3697
act_l1_3	0.0855	0.1358	0.3963	0.5290
act_l1_3_ti	-0.3376	0.1770	3.6407	0.0564
act_l1_4	-0.0104	0.0911	0.0129	0.9096
act_l1_4_ti	-0.0273	0.0684	0.1590	0.6901
act_l1_5	-0.2320	0.1608	2.0835	0.1489
act_l1_5_ti	0.1217	0.1709	0.5066	0.4766
can_l2	0.1325	0.1475	0.8067	0.3691
can_l1	0.1787	0.1773	1.0156	0.3136
bmi_l2_1	-0.4366	0.2945	2.1982	0.1382
bmi_l1_1	-0.9361	0.2999	9.7429	0.0018

bmi_l2_2	-0.2678	0.1629	2.7019	0.1002
bmi_l1_2	-0.6501	0.1690	14.8055	0.0001
bmi_l2_3	-0.2794	0.1470	3.6147	0.0573
bmi_l1_3	-0.4890	0.1515	10.4160	0.0012
bmi_l2_4	-0.2304	0.1338	2.9640	0.0851
bmi_l1_4	-0.3569	0.1382	6.6725	0.0098
bmi_l2_5	-0.2028	0.1160	3.0569	0.0804
bmi_l1_5	-0.1460	0.1194	1.4959	0.2213
chl_l2	-0.0850	0.0622	1.8637	0.1722
chl_l1	-0.2390	0.0715	11.1613	0.0008
hbp_l2	0.0814	0.0704	1.3388	0.2473
hbp_l1	-0.4786	0.0837	32.6761	<.0001
sta_l1	-0.6574	0.0651	101.9478	<.0001
sta_l1_ti	0.0324	0.0701	0.2135	0.6440
asn_l2_1	0.0528	0.0517	1.0428	0.3072
asn_l1_1	0.6286	0.0565	123.7852	<.0001
asn_l2_2	0.0818	0.0488	2.8074	0.0938
asn_l1_2	0.3014	0.0520	33.5940	<.0001
str_l2	0.0176	0.3395	0.0027	0.9586
str_l1	0.1011	0.2752	0.1348	0.7135
mnp	0.2221	0.0892	6.2045	0.0127
pmh	-0.0742	0.0505	2.1620	0.1415
ost	0.3773	0.0758	24.7873	<.0001
rpmeats_1	0.2510	0.0848	8.7596	0.0031
rpmeats_1_ti	-0.0920	0.0891	1.0652	0.3020
rpmeats_2	0.1309	0.0764	2.9413	0.0863
rpmeats_2_ti	0.0232	0.0782	0.0883	0.7664
rpmeats_3	0.0463	0.0744	0.3883	0.5332
rpmeats_3_ti	-0.00616	0.0763	0.0065	0.9356
rpmeats_4	0.0345	0.0701	0.2424	0.6225
rpmeats_4_ti	-0.1093	0.0691	2.4987	0.1139
coff_1	0.1417	0.1061	1.7838	0.1817
coff_1_ti	-0.0716	0.0753	0.9044	0.3416
coff_2	0.1559	0.0940	2.7485	0.0973
coff_2_ti	0.0867	0.1020	0.7225	0.3953

coff_3	0.1056	0.1017	1.0778	0.2992
coff_3_ti	-0.1560	0.1089	2.0536	0.1518
coff_4	0.1311	0.0568	5.3252	0.0210
coff_4_ti	-0.0217	0.0535	0.1654	0.6843
whgrn_1	-0.0829	0.0785	1.1153	0.2909
whgrn_1_ti	0.0315	0.0785	0.1614	0.6879
whgrn_2	-0.1055	0.0713	2.1882	0.1391
whgrn_2_ti	0.0958	0.0795	1.4526	0.2281
whgrn_3	-0.0260	0.0660	0.1547	0.6941
whgrn_3_ti	0.00359	0.0809	0.0020	0.9646
whgrn_4	0.0421	0.0617	0.4646	0.4955
whgrn_4_ti	-0.1209	0.0790	2.3416	0.1260
soda_1	-0.0600	0.1010	0.3527	0.5526
soda_1_ti	-0.0263	0.0523	0.2528	0.6151
soda_2	-0.1024	0.0858	1.4255	0.2325
soda_2_ti	0.0274	0.0426	0.4122	0.5209
soda_3	-0.0589	0.0821	0.5151	0.4729
soda_3_ti	0.0171	0.0442	0.1502	0.6984
soda_4	-0.0888	0.0792	1.2571	0.2622
soda_4_ti	-0.00500	0.0453	0.0121	0.9123
cal_1	-0.0361	0.0879	0.1683	0.6816
cal_1_ti	-0.1145	0.0838	1.8675	0.1718
cal_2	-0.0547	0.0781	0.4899	0.4840
cal_2_ti	0.00354	0.0793	0.0020	0.9644
cal_3	-0.0254	0.0716	0.1258	0.7228
cal_3_ti	-0.0609	0.0763	0.6370	0.4248
cal_4	-0.0567	0.0669	0.7175	0.3970
cal_4_ti	0.00642	0.0744	0.0074	0.9313
alc_1	0.1681	0.0928	3.2815	0.0701
alc_1_ti	-0.1016	0.0622	2.6695	0.1023
alc_2	0.1127	0.0863	1.7053	0.1916
alc_2_ti	-0.0728	0.0690	1.1144	0.2911
alc_3	-0.0357	0.0913	0.1533	0.6954
alc_3_ti	0.1090	0.0932	1.3686	0.2421
cig_1	1.2952	0.1951	44.0844	<.0001

cig_2	0.8555	0.2382	12.9035	0.0003
cig_3	0.3068	0.2155	2.0262	0.1546
cig_4	0.0560	0.1934	0.0838	0.7722
mvi	0.0382	0.0347	1.2138	0.2706
act_1	0.0337	0.0623	0.2919	0.5890
act_1_ti	-0.0141	0.0767	0.0340	0.8538
act_2	0.0178	0.0673	0.0702	0.7910
act_2_ti	-0.0273	0.0903	0.0915	0.7623
act_3	0.0443	0.1144	0.1498	0.6988
act_3_ti	0.0142	0.1548	0.0084	0.9271
act_4	-0.0416	0.0756	0.3019	0.5827
act_4_ti	0.0513	0.1071	0.2297	0.6318
act_5	0.0588	0.1217	0.2333	0.6291
act_5_ti	0.0718	0.1822	0.1554	0.6934
can	-0.2225	0.1226	3.2909	0.0697
bmi_1	1.1665	0.2381	24.0042	<.0001
bmi_2	0.7933	0.1479	28.7838	<.0001
bmi_3	0.7434	0.1335	31.0293	<.0001
bmi_4	0.5444	0.1220	19.9261	<.0001
bmi_5	0.2837	0.1081	6.8893	0.0087
chl	0.7950	0.0539	217.2924	<.0001
hbp	1.0876	0.0577	354.8780	<.0001
sta	1.1962	0.0508	555.0145	<.0001
sta_ti	-0.0761	0.0642	1.4056	0.2358
asn_1	-1.4813	0.0477	965.9620	<.0001
asn_2	-1.0180	0.0461	488.3658	<.0001

(EE) Logistic model to estimate the probability of incident stroke

Parameter	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-9.3079	1.9233	23.4210	<.0001
fhx	-0.0800	0.0732	1.1937	0.2746
smkhx	0.0630	0.0734	0.7357	0.3910
ochx	0.0563	0.0628	0.8048	0.3696
employed_1	-0.0147	0.1149	0.0165	0.8979
employed_2	0.2263	0.1755	1.6638	0.1971
employed_3	0.0392	0.0911	0.1851	0.6671
employed_4	-0.0119	0.1282	0.0086	0.9263
employed_5	0.0223	0.0829	0.0723	0.7880
employed_6	-0.2010	0.1374	2.1400	0.1435
employed_miss	-0.2807	0.3434	0.6685	0.4136
mar80	-0.0851	0.0981	0.7518	0.3859
college	-0.0905	0.0712	1.6141	0.2039
stress82	0.0979	0.0706	1.9210	0.1657
stress82_miss	0.4608	0.3099	2.2114	0.1370
hhighsch	-0.0948	0.0776	1.4932	0.2217
hcollege	-0.1918	0.0901	4.5277	0.0334
hgradsch	-0.0599	0.0944	0.4023	0.5259
lbmi18_2	0.0240	0.0718	0.1120	0.7379
lbmi18_3	0.0633	0.1103	0.3296	0.5659
lbmi18_4	0.3946	0.2071	3.6311	0.0567
baseage	0.00408	0.0724	0.0032	0.9551
baseage_sq	0.000786	0.000684	1.3202	0.2506
bmi80_1	0.0757	0.3691	0.0420	0.8376
bmi80_2	-0.00645	0.2524	0.0007	0.9796
bmi80_3	-0.00673	0.2404	0.0008	0.9777
bmi80_4	0.0686	0.2283	0.0901	0.7640
bmi80_5	0.1283	0.2191	0.3432	0.5580
act80_1	-0.0591	0.0777	0.5786	0.4468
act80_2	-0.1024	0.0957	1.1438	0.2848
act80_3	-0.1462	0.0844	2.9987	0.0833
alc80_1	0.0218	0.0951	0.0527	0.8185

alc80_2	-0.1614	0.0971	2.7641	0.0964
alc80_3	0.0770	0.1047	0.5410	0.4620
rpmeats80_1	-0.0154	0.1549	0.0099	0.9209
rpmeats80_2	-0.0581	0.1004	0.3353	0.5626
rpmeats80_3	-0.0917	0.0905	1.0268	0.3109
rpmeats80_4	-0.0846	0.0818	1.0702	0.3009
coff80_1	0.0300	0.0816	0.1346	0.7137
coff80_2	0.0662	0.1214	0.2974	0.5855
coff80_3	-0.2691	0.2134	1.5892	0.2074
whgrn80_1	0.0403	0.0829	0.2365	0.6268
whgrn80_2	-0.1062	0.0898	1.3968	0.2373
soda80_1	-0.0114	0.1025	0.0124	0.9112
soda80_2	-0.0506	0.0946	0.2863	0.5926
soda80_3	-0.1060	0.0965	1.2065	0.2720
soda80_4	-0.1469	0.0937	2.4589	0.1169
cig80_1	-0.4696	0.1803	6.7824	0.0092
cig80_2	-0.2863	0.2614	1.1991	0.2735
cig80_3	-0.2864	0.1992	2.0685	0.1504
cig80_4	-0.0851	0.1661	0.2626	0.6083
period_2	-0.0622	0.6213	0.0100	0.9202
period_3	-0.5526	0.4115	1.8039	0.1792
period_4	-0.2115	0.3701	0.3267	0.5676
period_5	-0.2234	0.4095	0.2975	0.5854
period_6	-0.2963	0.1540	3.6999	0.0544
period_7	0.2512	0.3310	0.5759	0.4479
period_8	0.3116	0.1290	5.8341	0.0157
period_9	0.4457	0.3309	1.8147	0.1779
period_10	0.2665	0.1215	4.8103	0.0283
period_11	0.0721	0.3313	0.0474	0.8277
mnp_l2	0.3087	0.2249	1.8846	0.1698
mnp_l1	-0.6930	0.2842	5.9467	0.0147
pmh_l2	0.2400	0.0923	6.7695	0.0093
pmh_l1	0.4979	0.1017	23.9845	<.0001
ost_l2	-0.00084	0.1451	0.0000	0.9954
ost_l1	0.2054	0.1891	1.1794	0.2775

rpmeats_l1_1	0.2601	0.6145	0.1792	0.6721
rpmeats_l1_1_ti	-0.0932	0.3124	0.0890	0.7655
rpmeats_l1_2	-0.7150	0.6604	1.1720	0.2790
rpmeats_l1_2_ti	0.2189	0.3370	0.4219	0.5160
rpmeats_l1_3	0.5289	0.4186	1.5964	0.2064
rpmeats_l1_3_ti	-0.2053	0.2192	0.8774	0.3489
rpmeats_l1_4	0.2457	0.3875	0.4021	0.5260
rpmeats_l1_4_ti	-0.0350	0.2048	0.0293	0.8642
coff_l1_1	-1.3115	0.6395	4.2057	0.0403
coff_l1_1_ti	0.6196	0.3181	3.7938	0.0514
coff_l1_2	-1.5798	1.0295	2.3549	0.1249
coff_l1_2_ti	0.8126	0.5178	2.4624	0.1166
coff_l1_3	-1.0695	1.0273	1.0840	0.2978
coff_l1_3_ti	0.5717	0.5210	1.2040	0.2725
coff_l1_4	-0.4497	0.3163	2.0210	0.1551
coff_l1_4_ti	0.2869	0.1634	3.0833	0.0791
whgrn_l1_1	0.0269	0.4675	0.0033	0.9541
whgrn_l1_1_ti	-0.1536	0.2397	0.4105	0.5217
whgrn_l1_2	0.2650	0.4584	0.3342	0.5632
whgrn_l1_2_ti	-0.2474	0.2363	1.0968	0.2950
whgrn_l1_3	-0.6066	0.5798	1.0948	0.2954
whgrn_l1_3_ti	0.2087	0.2956	0.4985	0.4802
whgrn_l1_4	-1.3541	0.7949	2.9018	0.0885
whgrn_l1_4_ti	0.6498	0.4015	2.6192	0.1056
soda_l1_1	0.000890	0.2792	0.0000	0.9975
soda_l1_1_ti	0.0388	0.1076	0.1301	0.7183
soda_l1_2	-0.3075	0.2419	1.6157	0.2037
soda_l1_2_ti	0.1674	0.0926	3.2635	0.0708
soda_l1_3	0.1195	0.2506	0.2273	0.6335
soda_l1_3_ti	-0.00375	0.1008	0.0014	0.9703
soda_l1_4	-0.1588	0.2637	0.3629	0.5469
soda_l1_4_ti	0.00481	0.1090	0.0019	0.9648
cal_l1_1	-0.4423	0.5558	0.6331	0.4262
cal_l1_1_ti	0.1959	0.2835	0.4777	0.4895
cal_l1_2	-0.2331	0.5023	0.2154	0.6426

cal_l1_2_ti	0.1010	0.2577	0.1535	0.6952
cal_l1_3	0.0488	0.4635	0.0111	0.9162
cal_l1_3_ti	0.0165	0.2390	0.0048	0.9450
cal_l1_4	-0.00559	0.4565	0.0001	0.9902
cal_l1_4_ti	-0.0188	0.2365	0.0063	0.9366
alc_l1_1	-0.5665	0.3963	2.0431	0.1529
alc_l1_1_ti	0.0570	0.1912	0.0889	0.7656
alc_l1_2	-0.3030	0.4206	0.5191	0.4712
alc_l1_2_ti	0.0395	0.2101	0.0354	0.8508
alc_l1_3	0.0289	0.4959	0.0034	0.9535
alc_l1_3_ti	-0.0503	0.2563	0.0385	0.8445
cig_l2_1	-0.1954	0.3368	0.3367	0.5617
cig_l1_1	-1.9328	0.3362	33.0449	<.0001
cig_l2_2	-0.2504	0.4163	0.3618	0.5475
cig_l1_2	-1.2970	0.4022	10.4010	0.0013
cig_l2_3	0.3360	0.3300	1.0368	0.3086
cig_l1_3	-1.1709	0.3377	12.0180	0.0005
cig_l2_4	0.1417	0.2952	0.2304	0.6313
cig_l1_4	-0.4729	0.2961	2.5510	0.1102
mvi_l2	0.00164	0.0704	0.0005	0.9815
mvi_l1	0.1019	0.0781	1.7054	0.1916
act_l1_1	-0.0553	0.1285	0.1849	0.6672
act_l1_1_ti	-0.0385	0.1415	0.0739	0.7858
act_l1_2	-0.0746	0.1400	0.2836	0.5944
act_l1_2_ti	0.0740	0.1649	0.2016	0.6535
act_l1_3	0.1729	0.2284	0.5735	0.4489
act_l1_3_ti	0.3048	0.2598	1.3756	0.2409
act_l1_4	-0.1305	0.1582	0.6803	0.4095
act_l1_4_ti	0.0955	0.1757	0.2955	0.5867
act_l1_5	-0.3683	0.3026	1.4808	0.2237
act_l1_5_ti	0.5493	0.3149	3.0436	0.0811
can_l2	-0.2273	0.2298	0.9784	0.3226
can_l1	-0.0540	0.2534	0.0454	0.8313
bmi_l2_1	-0.4429	0.4179	1.1231	0.2892
bmi_l1_1	-1.3838	0.4380	9.9826	0.0016

bmi_l2_2	-0.5812	0.2941	3.9050	0.0481
bmi_l1_2	-0.9507	0.3113	9.3239	0.0023
bmi_l2_3	-0.2533	0.2706	0.8766	0.3491
bmi_l1_3	-0.9201	0.2877	10.2247	0.0014
bmi_l2_4	-0.2240	0.2493	0.8070	0.3690
bmi_l1_4	-0.6737	0.2650	6.4635	0.0110
bmi_l2_5	-0.1463	0.2168	0.4553	0.4998
bmi_l1_5	-0.3538	0.2303	2.3597	0.1245
chl_l2	-0.0303	0.1299	0.0543	0.8157
chl_l1	-0.1213	0.1631	0.5527	0.4572
hbp_l2	0.0505	0.1238	0.1660	0.6837
hbp_l1	-0.4537	0.1483	9.3557	0.0022
sta_l1	-0.4602	0.1059	18.8797	<.0001
sta_l1_ti	-0.1249	0.2031	0.3779	0.5387
asn_l2_1	0.1363	0.0905	2.2686	0.1320
asn_l1_1	0.1736	0.0965	3.2362	0.0720
asn_l2_2	0.1147	0.0879	1.7048	0.1917
asn_l1_2	0.1923	0.0907	4.4961	0.0340
angcbg_l2	0.5678	0.3200	3.1480	0.0760
angcbg_l1	-0.9112	0.3409	7.1451	0.0075
mi_l2	0.1722	0.4775	0.1301	0.7183
mi_l1	0.3046	0.4334	0.4938	0.4823
mnp	0.4054	0.2400	2.8536	0.0912
pmh	-0.7290	0.0912	63.8917	<.0001
ost	-0.0796	0.1425	0.3119	0.5765
rpmeats_1	-0.00441	0.1701	0.0007	0.9793
rpmeats_1_ti	-0.2656	0.3152	0.7101	0.3994
rpmeats_2	-0.0431	0.1589	0.0737	0.7860
rpmeats_2_ti	0.2203	0.3392	0.4219	0.5160
rpmeats_3	0.0559	0.1520	0.1350	0.7133
rpmeats_3_ti	-0.4261	0.2253	3.5774	0.0586
rpmeats_4	-0.1615	0.1543	1.0951	0.2953
rpmeats_4_ti	-0.0658	0.2126	0.0960	0.7567
coff_1	0.6099	0.2025	9.0678	0.0026
coff_1_ti	0.5332	0.3194	2.7870	0.0950

coff_2	0.5141	0.1795	8.2014	0.0042
coff_2_ti	0.8123	0.5190	2.4493	0.1176
coff_3	0.4310	0.1919	5.0454	0.0247
coff_3_ti	0.5362	0.5234	1.0493	0.3057
coff_4	0.1935	0.1244	2.4166	0.1201
coff_4_ti	0.1985	0.1667	1.4168	0.2339
whgrn_1	0.0736	0.1528	0.2320	0.6300
whgrn_1_ti	0.0748	0.2428	0.0948	0.7582
whgrn_2	-0.0556	0.1406	0.1564	0.6925
whgrn_2_ti	-0.0353	0.2412	0.0214	0.8837
whgrn_3	0.1017	0.1286	0.6259	0.4289
whgrn_3_ti	0.2776	0.3000	0.8562	0.3548
whgrn_4	-0.00285	0.1234	0.0005	0.9816
whgrn_4_ti	0.7540	0.4051	3.4638	0.0627
soda_1	-0.1423	0.1787	0.6337	0.4260
soda_1_ti	-0.00346	0.1103	0.0010	0.9750
soda_2	0.0201	0.1559	0.0166	0.8974
soda_2_ti	-0.00501	0.0955	0.0028	0.9581
soda_3	-0.0717	0.1556	0.2122	0.6451
soda_3_ti	-0.0725	0.1052	0.4746	0.4909
soda_4	0.1252	0.1476	0.7193	0.3964
soda_4_ti	-0.1097	0.1146	0.9171	0.3382
cal_1	-0.0462	0.1675	0.0760	0.7828
cal_1_ti	0.3522	0.2855	1.5221	0.2173
cal_2	-0.0929	0.1514	0.3765	0.5395
cal_2_ti	0.2212	0.2611	0.7178	0.3969
cal_3	-0.2489	0.1460	2.9086	0.0881
cal_3_ti	0.0637	0.2450	0.0675	0.7950
cal_4	-0.1541	0.1355	1.2928	0.2555
cal_4_ti	0.0243	0.2426	0.0101	0.9201
alc_1	0.5630	0.1717	10.7538	0.0010
alc_1_ti	0.0832	0.1927	0.1865	0.6658
alc_2	0.2322	0.1665	1.9449	0.1631
alc_2_ti	0.0306	0.2139	0.0204	0.8864
alc_3	-0.0604	0.1850	0.1065	0.7441

alc_3_ti	0.0758	0.2632	0.0830	0.7733
cig_1	2.2317	0.4116	29.3926	<.0001
cig_2	1.2857	0.4847	7.0357	0.0080
cig_3	1.1303	0.4335	6.7971	0.0091
cig_4	0.4268	0.4167	1.0493	0.3057
mvi	-0.1667	0.0742	5.0440	0.0247
act_1	0.4495	0.1333	11.3714	0.0007
act_1_ti	-0.0936	0.1808	0.2679	0.6047
act_2	0.3064	0.1435	4.5593	0.0327
act_2_ti	0.0172	0.2084	0.0068	0.9342
act_3	0.3797	0.2386	2.5330	0.1115
act_3_ti	-0.3158	0.4092	0.5956	0.4402
act_4	0.2700	0.1574	2.9422	0.0863
act_4_ti	-0.3298	0.3063	1.1591	0.2817
act_5	0.2620	0.2657	0.9728	0.3240
act_5_ti	-0.2372	0.5524	0.1844	0.6676
can	0.0440	0.1610	0.0747	0.7846
bmi_1	2.3947	0.3451	48.1628	<.0001
bmi_2	1.9061	0.2718	49.1832	<.0001
bmi_3	1.5327	0.2552	36.0770	<.0001
bmi_4	1.0748	0.2375	20.4806	<.0001
bmi_5	0.5480	0.2152	6.4861	0.0109
chl	0.2145	0.1217	3.1057	0.0780
hbp	1.3028	0.1066	149.3714	<.0001
sta	0.4838	0.0903	28.6994	<.0001
sta_ti	-0.1615	0.2178	0.5500	0.4583
asn_1	-0.5637	0.0792	50.6771	<.0001
asn_2	-0.8689	0.0925	88.1351	<.0001
angcbg	0.4645	0.1650	7.9211	0.0049

(FF) Logistic model to estimate the probability of incident myocardial infarction

Variable	Log odds ratio	Standard error	Wald chi-square	P value
Intercept	-10.3800	2.1793	22.6858	<.0001
fhx	-0.0582	0.0835	0.4864	0.4855
smkhx	0.0573	0.0887	0.4172	0.5183
ochx	-0.00309	0.0730	0.0018	0.9662
employed_1	-0.1215	0.1354	0.8045	0.3697
employed_2	-0.2126	0.2211	0.9244	0.3363
employed_3	-0.2206	0.1078	4.1857	0.0408
employed_4	-0.1466	0.1482	0.9786	0.3226
employed_5	-0.1281	0.0968	1.7502	0.1859
employed_6	0.0252	0.1453	0.0300	0.8625
employed_miss	-0.4617	0.4032	1.3110	0.2522
mar80	0.0166	0.1188	0.0196	0.8887
college	-0.1758	0.0847	4.3102	0.0379
stress82	0.00428	0.0825	0.0027	0.9586
stress82_miss	0.4291	0.3601	1.4201	0.2334
hhighsch	-0.0611	0.0910	0.4511	0.5018
hcollege	-0.1752	0.1053	2.7697	0.0961
hgradsch	-0.0745	0.1123	0.4409	0.5067
lbmi18_2	0.00594	0.0842	0.0050	0.9437
lbmi18_3	0.0959	0.1246	0.5923	0.4415
lbmi18_4	0.5860	0.2338	6.2790	0.0122
baseage	0.0759	0.0823	0.8507	0.3563
baseage_sq	-0.00030	0.000785	0.1488	0.6997
bmi80_1	0.1971	0.4281	0.2120	0.6452
bmi80_2	-0.2216	0.2956	0.5618	0.4535
bmi80_3	-0.2438	0.2798	0.7592	0.3836
bmi80_4	-0.2886	0.2653	1.1830	0.2767
bmi80_5	0.00310	0.2513	0.0002	0.9902
act80_1	-0.0103	0.0948	0.0118	0.9136
act80_2	-0.0479	0.1146	0.1748	0.6758
act80_3	0.00330	0.1004	0.0011	0.9738
alc80_1	0.00622	0.1132	0.0030	0.9562

alc80_2	0.0942	0.1108	0.7218	0.3956
alc80_3	0.1023	0.1260	0.6596	0.4167
rpmeats80_1	-0.1621	0.1892	0.7336	0.3917
rpmeats80_2	-0.0410	0.1158	0.1251	0.7235
rpmeats80_3	-0.5065	0.1171	18.7057	<.0001
rpmeats80_4	-0.0861	0.0944	0.8336	0.3612
coff80_1	0.1294	0.0955	1.8351	0.1755
coff80_2	0.2651	0.1412	3.5267	0.0604
coff80_3	-0.1425	0.2423	0.3458	0.5565
whgrn80_1	-0.1361	0.0966	1.9853	0.1588
whgrn80_2	-0.1210	0.1029	1.3823	0.2397
soda80_1	0.1942	0.1199	2.6242	0.1052
soda80_2	-0.0530	0.1137	0.2170	0.6413
soda80_3	-0.2067	0.1167	3.1378	0.0765
soda80_4	-0.00364	0.1082	0.0011	0.9732
cig80_1	-0.0206	0.2344	0.0078	0.9298
cig80_2	-0.0767	0.3323	0.0533	0.8174
cig80_3	0.2836	0.2484	1.3026	0.2537
cig80_4	0.5418	0.2172	6.2238	0.0126
period_2	-0.4146	0.6422	0.4168	0.5185
period_3	-0.2698	0.4776	0.3192	0.5721
period_4	-0.6626	0.4098	2.6142	0.1059
period_5	0.5304	0.4582	1.3402	0.2470
period_6	-0.5870	0.1769	11.0106	0.0009
period_7	0.3988	0.3970	1.0087	0.3152
period_8	-0.3942	0.1547	6.4910	0.0108
period_9	0.3852	0.3990	0.9321	0.3343
period_10	-0.3620	0.1477	6.0107	0.0142
period_11	-0.0114	0.4061	0.0008	0.9777
mnp_l2	-0.00812	0.1921	0.0018	0.9663
mnp_l1	0.2344	0.2903	0.6519	0.4194
pmh_l2	0.0832	0.1093	0.5791	0.4467
pmh_l1	-0.0450	0.1260	0.1276	0.7209
ost_l2	0.3570	0.1970	3.2832	0.0700
ost_l1	0.0194	0.2492	0.0060	0.9381

rpmeats_l1_1	-0.2566	0.5425	0.2238	0.6362
rpmeats_l1_1_ti	-0.0619	0.2800	0.0489	0.8250
rpmeats_l1_2	0.0351	0.4139	0.0072	0.9325
rpmeats_l1_2_ti	-0.2080	0.2199	0.8952	0.3441
rpmeats_l1_3	0.2263	0.3798	0.3551	0.5513
rpmeats_l1_3_ti	-0.2276	0.2046	1.2383	0.2658
rpmeats_l1_4	-0.0200	0.3509	0.0032	0.9546
rpmeats_l1_4_ti	-0.1664	0.1926	0.7466	0.3876
coff_l1_1	-2.2400	0.7649	8.5768	0.0034
coff_l1_1_ti	0.6712	0.3846	3.0450	0.0810
coff_l1_2	-0.2429	0.5122	0.2249	0.6354
coff_l1_2_ti	-0.0211	0.2672	0.0062	0.9372
coff_l1_3	-0.0502	0.5607	0.0080	0.9286
coff_l1_3_ti	-0.0799	0.2998	0.0711	0.7897
coff_l1_4	-0.4633	0.2792	2.7538	0.0970
coff_l1_4_ti	0.2307	0.1475	2.4475	0.1177
whgrn_l1_1	0.5502	0.4764	1.3339	0.2481
whgrn_l1_1_ti	-0.2544	0.2478	1.0537	0.3047
whgrn_l1_2	1.0329	0.4499	5.2720	0.0217
whgrn_l1_2_ti	-0.4681	0.2350	3.9677	0.0464
whgrn_l1_3	0.0940	0.5207	0.0326	0.8567
whgrn_l1_3_ti	-0.0825	0.2701	0.0934	0.7599
whgrn_l1_4	0.4065	0.4905	0.6868	0.4072
whgrn_l1_4_ti	-0.2554	0.2553	1.0011	0.3170
soda_l1_1	-0.0736	0.3102	0.0562	0.8126
soda_l1_1_ti	0.0941	0.1143	0.6778	0.4103
soda_l1_2	0.1861	0.2740	0.4612	0.4971
soda_l1_2_ti	-0.0318	0.1052	0.0913	0.7625
soda_l1_3	-0.1695	0.2796	0.3678	0.5442
soda_l1_3_ti	0.1599	0.1079	2.1964	0.1383
soda_l1_4	-0.1759	0.2675	0.4324	0.5108
soda_l1_4_ti	0.1125	0.1068	1.1097	0.2922
cal_l1_1	-0.3660	0.4572	0.6409	0.4234
cal_l1_1_ti	0.2634	0.2388	1.2171	0.2699
cal_l1_2	-0.1710	0.4282	0.1595	0.6897

cal_l1_2_ti	0.0482	0.2257	0.0456	0.8308
cal_l1_3	-0.5828	0.4422	1.7374	0.1875
cal_l1_3_ti	0.3588	0.2319	2.3939	0.1218
cal_l1_4	0.0729	0.3871	0.0354	0.8507
cal_l1_4_ti	-0.0240	0.2069	0.0135	0.9076
alc_l1_1	0.0192	0.3819	0.0025	0.9598
alc_l1_1_ti	0.1001	0.1853	0.2918	0.5891
alc_l1_2	0.6248	0.3675	2.8899	0.0891
alc_l1_2_ti	-0.2256	0.1868	1.4592	0.2271
alc_l1_3	0.0417	0.5102	0.0067	0.9349
alc_l1_3_ti	0.0136	0.2691	0.0025	0.9598
cig_l2_1	-0.4490	0.3670	1.4972	0.2211
cig_l1_1	-1.4347	0.3611	15.7815	<.0001
cig_l2_2	-0.2591	0.4484	0.3338	0.5634
cig_l1_2	-0.8296	0.4436	3.4974	0.0615
cig_l2_3	0.2895	0.3614	0.6414	0.4232
cig_l1_3	-0.4532	0.3634	1.5546	0.2125
cig_l2_4	0.1248	0.3264	0.1462	0.7022
cig_l1_4	-0.0404	0.3247	0.0155	0.9009
mvi_l2	0.0234	0.0795	0.0866	0.7685
mvi_l1	-0.0949	0.0843	1.2675	0.2602
act_l1_1	0.1918	0.1457	1.7343	0.1879
act_l1_1_ti	-0.0730	0.1338	0.2977	0.5854
act_l1_2	0.0440	0.1606	0.0751	0.7840
act_l1_2_ti	-0.0182	0.1583	0.0133	0.9083
act_l1_3	0.1311	0.2729	0.2306	0.6311
act_l1_3_ti	0.1564	0.3099	0.2548	0.6137
act_l1_4	0.1143	0.1777	0.4140	0.5200
act_l1_4_ti	-0.3086	0.1807	2.9158	0.0877
act_l1_5	-0.2202	0.3413	0.4161	0.5189
act_l1_5_ti	0.0336	0.4161	0.0065	0.9357
can_l2	-0.0173	0.2939	0.0035	0.9531
can_l1	0.3913	0.3612	1.1735	0.2787
bmi_l2_1	-1.0628	0.5582	3.6252	0.0569
bmi_l1_1	-0.7105	0.5554	1.6362	0.2008

bmi_l2_2	-0.6974	0.3494	3.9849	0.0459
bmi_l1_2	-0.2922	0.3613	0.6541	0.4187
bmi_l2_3	-0.3822	0.3194	1.4316	0.2315
bmi_l1_3	-0.0560	0.3307	0.0287	0.8655
bmi_l2_4	-0.1783	0.2942	0.3672	0.5445
bmi_l1_4	0.2082	0.3040	0.4690	0.4935
bmi_l2_5	0.0925	0.2548	0.1318	0.7166
bmi_l1_5	0.1338	0.2660	0.2531	0.6149
chl_l2	0.2391	0.1517	2.4855	0.1149
chl_l1	-0.6338	0.1704	13.8414	0.0002
hbp_l2	0.1402	0.1585	0.7816	0.3767
hbp_l1	-0.0324	0.1932	0.0282	0.8667
sta_l1	-0.7157	0.1132	39.9740	<.0001
sta_l1_ti	0.2018	0.1164	3.0069	0.0829
asn_l2_1	0.1532	0.1039	2.1756	0.1402
asn_l1_1	0.6569	0.1072	37.5680	<.0001
asn_l2_2	0.0667	0.1006	0.4387	0.5078
asn_l1_2	0.3884	0.1021	14.4694	0.0001
angcbg_l2	-0.8211	0.1869	19.2986	<.0001
angcbg_l1	-1.9704	0.1614	149.0304	<.0001
str_l2	-1.2323	0.4772	6.6689	0.0098
str_l1	-0.1704	0.3875	0.1933	0.6602
mnp	-0.1370	0.2718	0.2540	0.6143
pmh	-0.0608	0.1097	0.3079	0.5790
ost	-0.2657	0.1777	2.2360	0.1348
rpmeats_1	0.8792	0.2017	19.0001	<.0001
rpmeats_1_ti	-0.3449	0.2875	1.4394	0.2302
rpmeats_2	0.6083	0.1916	10.0787	0.0015
rpmeats_2_ti	-0.3794	0.2300	2.7200	0.0991
rpmeats_3	0.6460	0.1862	12.0308	0.0005
rpmeats_3_ti	-0.5626	0.2182	6.6479	0.0099
rpmeats_4	0.3701	0.1888	3.8417	0.0500
rpmeats_4_ti	-0.1507	0.2064	0.5328	0.4654
coff_1	0.8036	0.2320	12.0000	0.0005
coff_1_ti	0.7926	0.3840	4.2604	0.0390

coff_2	0.5165	0.2073	6.2085	0.0127
coff_2_ti	-0.0745	0.2730	0.0744	0.7850
coff_3	0.3870	0.2286	2.8651	0.0905
coff_3_ti	-0.1699	0.3099	0.3006	0.5835
coff_4	0.4616	0.1347	11.7397	0.0006
coff_4_ti	-0.0456	0.1522	0.0899	0.7643
whgrn_1	-0.3149	0.1768	3.1725	0.0749
whgrn_1_ti	0.0844	0.2544	0.1101	0.7400
whgrn_2	0.0281	0.1508	0.0347	0.8523
whgrn_2_ti	-0.4744	0.2433	3.8009	0.0512
whgrn_3	-0.2222	0.1491	2.2217	0.1361
whgrn_3_ti	0.2017	0.2772	0.5294	0.4669
whgrn_4	0.1086	0.1311	0.6867	0.4073
whgrn_4_ti	-0.1589	0.2630	0.3649	0.5458
soda_1	-0.2160	0.1963	1.2114	0.2711
soda_1_ti	0.1315	0.1162	1.2807	0.2578
soda_2	-0.2720	0.1736	2.4543	0.1172
soda_2_ti	0.0879	0.1074	0.6700	0.4130
soda_3	-0.2563	0.1697	2.2825	0.1308
soda_3_ti	0.1046	0.1114	0.8820	0.3477
soda_4	-0.1485	0.1626	0.8342	0.3610
soda_4_ti	0.1673	0.1082	2.3923	0.1219
cal_1	-0.2563	0.1927	1.7692	0.1835
cal_1_ti	0.2853	0.2445	1.3618	0.2432
cal_2	-0.0663	0.1714	0.1493	0.6992
cal_2_ti	0.1512	0.2309	0.4289	0.5126
cal_3	-0.1868	0.1653	1.2769	0.2585
cal_3_ti	0.3283	0.2413	1.8514	0.1736
cal_4	-0.0733	0.1546	0.2248	0.6354
cal_4_ti	-0.0321	0.2159	0.0220	0.8820
alc_1	0.3348	0.1982	2.8528	0.0912
alc_1_ti	-0.1362	0.1874	0.5282	0.4674
alc_2	0.2070	0.1915	1.1683	0.2798
alc_2_ti	-0.3403	0.1902	3.2011	0.0736
alc_3	0.0343	0.2119	0.0261	0.8716

alc_3_ti	-0.1019	0.2789	0.1336	0.7147
cig_1	1.6711	0.4209	15.7636	<.0001
cig_2	0.4217	0.5141	0.6729	0.4121
cig_3	-0.00066	0.4579	0.0000	0.9988
cig_4	-0.2814	0.4312	0.4260	0.5140
mvi	-0.1925	0.0800	5.7926	0.0161
act_1	-0.1991	0.1301	2.3421	0.1259
act_1_ti	0.1917	0.1975	0.9418	0.3318
act_2	-0.00309	0.1392	0.0005	0.9823
act_2_ti	-0.0274	0.2419	0.0128	0.9098
act_3	0.0105	0.2570	0.0017	0.9674
act_3_ti	0.2021	0.3798	0.2830	0.5948
act_4	-0.00016	0.1559	0.0000	0.9992
act_4_ti	-0.0143	0.2894	0.0025	0.9605
act_5	-0.2468	0.2917	0.7158	0.3975
act_5_ti	0.0892	0.5729	0.0242	0.8763
can	-0.4321	0.2513	2.9552	0.0856
bmi_1	1.9681	0.4095	23.0924	<.0001
bmi_2	1.4615	0.2945	24.6337	<.0001
bmi_3	0.8723	0.2747	10.0825	0.0015
bmi_4	0.2628	0.2545	1.0660	0.3018
bmi_5	0.00989	0.2279	0.0019	0.9654
chl	0.3946	0.1177	11.2295	0.0008
hbp	0.2175	0.1340	2.6344	0.1046
sta	1.1721	0.0938	156.1588	<.0001
sta_ti	-0.2937	0.1575	3.4781	0.0622
asn_1	-1.5895	0.0980	262.8175	<.0001
asn_2	-1.2898	0.1028	157.3305	<.0001
angcbg	4.2159	0.0786	2873.9476	<.0001
str	1.4044	0.2193	40.9909	<.0001

References

1. Taubman SL, Robins JM, Mittleman MA, Hernan MA. Intervening on risk factors for coronary heart disease: an application of the parametric g-formula. *Int J Epidemiol* 2009;**38**(6):1599-611.