



```

| Linearized
name: <unnamed>
log: C:\Users\sarah.vanalsten\Downloads\0305log.smcl
log type: smcl
opened on: 5 Mar 2020, 12:27:26

```

```

1 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
2 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny, rrr baseoutcome(5)
   (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata =	75	Number of obs =	22,178
Number of PSUs =	154	Population size =	186,693,090
		Subpop. no. obs =	7,762
		Subpop. size =	62,577,056.6
		Design df =	79
		F(4, 76) =	9.41
		Prob > F =	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.088216	.0908286	1.01	0.314	.9216456	1.284891
_cons	.9665187	.0587319	-0.56	0.577	.856409	1.090785
2						
1.fsAny	2.441872	.3763059	5.79	0.000	1.796833	3.318471
_cons	.1111136	.0114273	-21.37	0.000	.0905671	.1363764
3						
1.fsAny	1.103586	.086936	1.25	0.215	.9434285	1.290932
_cons	2.16022	.123886	13.43	0.000	1.927185	2.421434
4						
1.fsAny	.8980572	.1193322	-0.81	0.421	.6893481	1.169956
_cons	.2727962	.0211844	-16.73	0.000	.233727	.3183961
5	(base outcome)					

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

3 .
end of do-file

4 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

5 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny i.ageNew i.edu i.Race i
> .Male, rrr baseoutcome(5)
   (running mlogit on estimation sample)
edu: factor variables may not contain noninteger values
      st_ivarlist(): 3598  Stata returned error
rob__check_varnames(): - function returned error
robust_init_eq_indepvars(): - function returned error
moptimize_init_eq_indepvars(): - function returned error
      Mopt_model(): - function returned error
      <istmt>: - function returned error
an error occurred when svy executed mlogit
r(3598);

end of do-file

```

r(3598);

6 . tab ageNew

RECODE of RIDAGEYR (RIDAGEYR)	Freq.	Percent	Cum.
0	1	0.00	0.00
1	5,904	25.94	25.94
2	4,728	20.77	46.71
3	4,678	20.55	67.26
4	7,453	32.74	100.00
Total	22,764	100.00	

7 . tab edu

edu	Freq.	Percent	Cum.
0	5,428	24.55	24.55
2.7e-312	1	0.00	24.55
7.7e-298	1	0.00	24.55
1	4,999	22.61	47.16
-1.#QNAN	1	0.00	47.16
2	11,683	52.83	100.00
1.#QNAN	1	0.00	100.00
Total	22,114	100.00	

8 . replace edu=1 if edu==1.#QNAN

invalid varnamer(198);

9 . replace edu = 1 if edu = 1.#QNAN

invalid syntaxr(198);

10 . replace edu = 1 if edu = " 1.#QNAN"

if invalid namer(198);11 . g eduNew= round(edu,1)
(652 missing values generated)

12 . tab eduNew

eduNew	Freq.	Percent	Cum.
0	5,430	24.56	24.56
1	4,999	22.61	47.16
2	11,683	52.84	100.00
Total	22,112	100.00	

13 . tab Male

Male	Freq.	Percent	Cum.
0	11,758	51.65	51.65
2.7e-312	1	0.00	51.66
2.8e-309	1	0.00	51.66
1.9e-301	1	0.00	51.66
1	11,002	48.33	100.00
1.#QNAN	1	0.00	100.00
Total	22,764	100.00	

14 . replace Male = round(Male,1)
(4 real changes made, 1 to missing)

15 . tab ageNew

RECODE of RIDAGEYR (RIDAGEYR)	Freq.	Percent	Cum.
0	1	0.00	0.00
1	5,904	25.94	25.94
2	4,728	20.77	46.71
3	4,678	20.55	67.26
4	7,453	32.74	100.00
Total	22,764	100.00	

16 . tab Race

Race	Freq.	Percent	Cum.
-2.7e+154	1	0.00	0.00
0	9,139	40.15	40.15
3.0e-313	1	0.00	40.16
1.6e-307	1	0.00	40.16
2.1e-289	1	0.00	40.16
1	5,161	22.67	62.84
2	6,160	27.06	89.90
3	2,300	10.10	100.00
Total	22,764	100.00	

17 . replace Race = round(Race,1)
(3 real changes made)

18 . tab Race

Race	Freq.	Percent	Cum.
-2.7e+154	1	0.00	0.00
0	9,142	40.16	40.16
1	5,161	22.67	62.84
2	6,160	27.06	89.90
3	2,300	10.10	100.00
Total	22,764	100.00	

```

19 . replace Race = 0 if Race < 0
(1 real change made)

20 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

21 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny i.ageNew i.edu i.Race i
> .Male, rrr baseoutcome(5)
(running mlogit on estimation sample)
edu: factor variables may not contain noninteger values
    st_ivarlist(): 3598 Stata returned error
    rob_check_varnames(): - function returned error
robust_init_eq_indepvars(): - function returned error
moptimize_init_eq_indepvars(): - function returned error
    Mopt_model(): - function returned error
        <istmt>: - function returned error
an error occurred when svy executed mlogit
r(3598);

end of do-file

r(3598);

22 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

23 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male, rrr baseoutcome(5)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,061
Number of PSUs	=	154	Population size	=	186,043,967
			Subpop. no. obs	=	7,645
			Subpop. size	=	61,927,933.5
			Design df	=	79
			F(40, 40)	=	9.21
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.276905	.1149673	2.71	0.008	1.067402	1.527529
ageNew						
2	.9664263	.1156792	-0.29	0.776	.7615474	1.226424
3	.860648	.108135	-1.19	0.236	.6702148	1.105191
4	1.013554	.1232179	0.11	0.912	.7957137	1.291033
eduNew						
1	1.407685	.1755826	2.74	0.008	1.098203	1.804383
2	2.84213	.4064585	7.30	0.000	2.138053	3.778065
Race						
1	1.238976	.1158903	2.29	0.025	1.028503	1.49252
2	1.002579	.1044792	0.02	0.980	.8147695	1.23368
3	1.022409	.1979374	0.11	0.909	.6954556	1.503071
1.Male						
_cons	.7067586	.0549026	-4.47	0.000	.6055072	.824941
	.5733663	.0848305	-3.76	0.000	.4271068	.7697111
2						
1.fsAny	2.234436	.3753265	4.79	0.000	1.599427	3.121557
ageNew						
2	.8195628	.1997996	-0.82	0.417	.5044774	1.331444

	3	1.151305	.299398	0.54	0.589	.6861069	1.931921
	4	1.284476	.2932758	1.10	0.276	.815368	2.023476
	eduNew						
	1	.7949239	.1784467	-1.02	0.310	.5084794	1.242733
	2	.7625593	.1792505	-1.15	0.252	.4776109	1.217511
	Race						
	1	1.649969	.294275	2.81	0.006	1.156914	2.353155
	2	1.001051	.2367661	0.00	0.996	.6251738	1.60292
	3	.9576435	.4042391	-0.10	0.919	.4133396	2.218711
	1.Male _cons	.7220481	.0987988	-2.38	0.020	.5498997	.9480883
		.135735	.0452018	-6.00	0.000	.0699551	.2633686
3							
	1.fsAny	1.222303	.1018027	2.41	0.018	1.035575	1.4427
	ageNew						
	2	.8110541	.0866249	-1.96	0.053	.6557267	1.003175
	3	.8503416	.0920605	-1.50	0.138	.6854984	1.054825
	4	.9361336	.1104948	-0.56	0.578	.740125	1.184051
	eduNew						
	1	1.37975	.1229128	3.61	0.001	1.155561	1.647433
	2	2.556254	.2908931	8.25	0.000	2.038138	3.206082
	Race						
	1	1.123265	.1110744	1.18	0.243	.9225751	1.367612
	2	1.129203	.1093085	1.26	0.213	.9313066	1.36915
	3	1.427283	.2836452	1.79	0.077	.9609901	2.119831
	1.Male _cons	.5478205	.0427532	-7.71	0.000	.4690025	.6398842
		1.637003	.221469	3.64	0.000	1.250547	2.142887
4							
	1.fsAny	1.143932	.1608584	0.96	0.342	.8646563	1.513412
	ageNew						
	2	.7762924	.1498169	-1.31	0.193	.5286845	1.139867
	3	1.003906	.2014562	0.02	0.985	.6733234	1.496796
	4	1.408153	.2790815	1.73	0.088	.9491319	2.089168
	eduNew						
	1	1.921096	.4320643	2.90	0.005	1.227812	3.005844
	2	3.144991	.7387631	4.88	0.000	1.970429	5.019703
	Race						
	1	1.172663	.1704157	1.10	0.276	.8781112	1.566019
	2	1.176959	.1828261	1.05	0.297	.8639352	1.6034
	3	1.042961	.307743	0.14	0.887	.5796963	1.876446
	1.Male _cons	1.180714	.1442171	1.36	0.178	.9258875	1.505674
		.0917922	.0251046	-8.73	0.000	.0532582	.1582068
5		(base outcome)					

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

24 .

end of do-file

25 . tab BMIcat

BMIcat	Freq.	Percent	Cum.
0	1	0.00	0.00
2.3e-313	1	0.00	0.01
2.7e-312	1	0.00	0.01
3.4e-282	1	0.00	0.02
1	413	1.83	1.85
2	6,515	28.93	30.78
3	7,242	32.16	62.95
4	4,589	20.38	83.32
-1.#QNAN	1	0.00	83.33
5	2,117	9.40	92.73
6	1,637	7.27	100.00
Total	22,518	100.00	

26 . replace BMIcat = round(BMIcat,1)
(4 real changes made, 1 to missing)

27 . tab BMIcat

BMIcat	Freq.	Percent	Cum.
0	4	0.02	0.02
1	413	1.83	1.85
2	6,515	28.93	30.79
3	7,242	32.16	62.95
4	4,589	20.38	83.33
5	2,117	9.40	92.73
6	1,637	7.27	100.00
Total	22,517	100.00	

28 . replace BMIcat = 1 if BMIcat = 0
invalid syntax
r(198);29 . replace BMIcat = 1 if BMIcat == 0
(4 real changes made)

30 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

31 . //also adjust for bmicat

32 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Rac > e i.Male i.BMICat, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,061
Number of PSUs	=	154	Population size	=	186,043,967
			Subpop. no. obs	=	7,645
			Subpop. size	=	61,927,933.5
			Design df	=	79
			F(48, 32)	=	10.30
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.249917	.1109595	2.51	0.014	1.047471	1.491492
ageNew						
2	.9681637	.1157968	-0.27	0.787	.7630582	1.2284
3	.864711	.1091897	-1.15	0.253	.6725356	1.1118
4	1.015389	.1228398	0.13	0.900	.7980936	1.291846
eduNew						
1	1.383822	.1718585	2.62	0.011	1.080747	1.771888
2	2.868216	.4133024	7.31	0.000	2.15302	3.820987
Race						
1	1.194222	.1140766	1.86	0.067	.9874394	1.444308
2	1.029653	.1077102	0.28	0.781	.8361098	1.267999
3	1.046075	.1991718	0.24	0.814	.7161006	1.5281
1.Male	.7453804	.0579958	-3.78	0.000	.6384374	.870237
BMIcat						
5	1.306221	.142067	2.46	0.016	1.051958	1.621941
6	1.723567	.2022283	4.64	0.000	1.36459	2.176979
_cons	.4768947	.0741401	-4.76	0.000	.3499714	.6498488
2						
1.fsAny	2.248135	.3803639	4.79	0.000	1.605339	3.148314
ageNew						
2	.8200019	.1989531	-0.82	0.416	.5059173	1.329077
3	1.154556	.300356	0.55	0.582	.6879102	1.937752
4	1.286849	.2938195	1.10	0.273	.8168723	2.02722
eduNew						
1	.793224	.1784659	-1.03	0.306	.506882	1.241323
2	.7658929	.1795218	-1.14	0.259	.4803379	1.221207
Race						
1	1.680703	.3004557	2.90	0.005	1.177488	2.398973
2	.9916789	.2373868	-0.03	0.972	.6158036	1.596982
3	.9761123	.4150239	-0.06	0.955	.4187512	2.275325
1.Male	.7207768	.0951025	-2.48	0.015	.554297	.9372578
BMIcat						
5	1.226497	.2519704	0.99	0.323	.8148477	1.846106
6	.7854064	.1747875	-1.09	0.281	.5043339	1.223125
_cons	.1320201	.0444791	-6.01	0.000	.0675149	.2581548
3						
1.fsAny	1.196118	.0979343	2.19	0.032	1.01624	1.407835
ageNew						
2	.8123192	.0879208	-1.92	0.058	.6548842	1.007602
3	.8545974	.0939688	-1.43	0.157	.6866103	1.063684
4	.9384202	.1112701	-0.54	0.593	.7411379	1.188217
eduNew						
1	1.353625	.1236584	3.31	0.001	1.12857	1.623559
2	2.579846	.299123	8.17	0.000	2.048166	3.249543
Race						

	1	1.082586	.1093535	0.79	0.434	.8854095	1.323674
	2	1.161556	.1115378	1.56	0.123	.9594726	1.406202
	3	1.465706	.2876881	1.95	0.055	.9916872	2.166302
	1.Male	.5795767	.0455273	-6.94	0.000	.495686	.6776651
	BMICat						
	5	1.36876	.1331884	3.23	0.002	1.127748	1.661279
	6	1.744373	.1546532	6.28	0.000	1.462175	2.081034
	_cons	1.339448	.1884932	2.08	0.041	1.012226	1.77245
4							
	1.fsAny	1.154611	.1621191	1.02	0.309	.8730906	1.526905
	ageNew						
	2	.7768119	.1487696	-1.32	0.191	.530596	1.137281
	3	1.006778	.2006677	0.03	0.973	.6770741	1.497033
	4	1.412098	.2794607	1.74	0.085	.9523309	2.093832
	eduNew						
	1	1.940552	.4359522	2.95	0.004	1.240867	3.034767
	2	3.143084	.7400207	4.86	0.000	1.967108	5.02208
	Race						
	1	1.185136	.1716873	1.17	0.245	.888258	1.581239
	2	1.171728	.1836694	1.01	0.315	.8576792	1.60077
	3	1.044297	.3062542	0.15	0.883	.582525	1.872117
	1.Male	1.153545	.1436147	1.15	0.255	.9003535	1.477939
	BMICat						
	5	.8752687	.1587584	-0.73	0.465	.6100238	1.255845
	6	.7873296	.1651471	-1.14	0.258	.5186027	1.195304
	_cons	.0980372	.0279783	-8.14	0.000	.055551	.1730173
5		(base outcome)					

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

33 .
end of do-file

34 . tab depressionBinary

depressionBinary	Freq.	Percent	Cum.
-4.8e-181	1	0.00	0.00
0	20,782	91.29	91.30
2.7e-312	1	0.00	91.30
-1.#QNAN	1	0.00	91.31
1	1,978	8.69	100.00
1.#QNAN	1	0.00	100.00
Total	22,764	100.00	

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35 . replace depressionBinary = round(depressionBinary,1)
(4 real changes made, 2 to missing)

36 . tab depressionBinary

depressionBinary	Freq.	Percent	Cum.
0	20,784	91.31	91.31
1	1,978	8.69	100.00
Total	22,762	100.00	

37 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

38 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,061
Number of PSUs	=	154	Population size	=	186,043,967
			Subpop. no. obs	=	7,645
			Subpop. size	=	61,927,933.5
			Design df	=	79
			F(52, 28)	=	9.74
			Prob > F	=	0.0000

doingAbtWt		Linearized				
rval]		RRR	Std. Err.	t	P> t	[95% Conf. Inte
1	1.fsAny	1.189778	.108191	1.91	0.060	.992794 1.4
25847	ageNew					
	2	.9593084	.1161539	-0.34	0.732	.7538603 1.2
20747	3	.8540807	.1087614	-1.24	0.219	.6628544 1.1
00474	4	.9971898	.1208963	-0.02	0.982	.7833855 1.2
69346	eduNew					
77518	1	1.395877	.1694975	2.75	0.007	1.096176 1.7
77406	2	2.923575	.4147293	7.56	0.000	2.204384 3.8
58842	Race					
	1	1.205573	.1154958	1.95	0.055	.9962733 1.4
82376	2	1.04007	.1094317	0.37	0.710	.8435477 1.2
27411	3	1.044906	.1992993	0.23	0.818	.7148231 1.5
37113	1.Male	.7626106	.0607787	-3.40	0.001	.6507414 .89
BMIcat						
5		1.310671	.1428253	2.48	0.015	1.055102 1.6

> 28144								
	6		1.707146	.2001506	4.56	0.000	1.351827	2.1
> 55858								
1.depressionBinary			1.481327	.2017052	2.89	0.005	1.129651	1.9
> 42486								
	_cons		.4580354	.0705359	-5.07	0.000	.3371149	.62
> 23292								
> —————								
2								
	1.fsAny		2.067105	.3314	4.53	0.000	1.502362	2.8
> 44137								
	ageNew							
> 96279	2		.8019552	.1934734	-0.91	0.363	.4961371	1.2
> 80269	3		1.121965	.2910434	0.44	0.659	.6694819	1.8
> 41079	4		1.231717	.2814578	0.91	0.365	.7815894	1.9
	eduNew							
> 58973	1		.8064775	.1804543	-0.96	0.339	.5166163	1.2
> 81262	2		.7939908	.1908853	-0.96	0.340	.4920315	1.2
	Race							
> 53835	1		1.716272	.3082534	3.01	0.004	1.200402	2.4
> 54792	2		1.023384	.2470785	0.10	0.924	.6328989	1.6
> 75284	3		.9698708	.4154871	-0.07	0.943	.4134206	2.2
	1.Male							
> 17132			.7507593	.1011652	-2.13	0.037	.5741387	.98
	BMIcat							
> 68918	5		1.239726	.2556556	1.04	0.301	.8223584	1.8
> 04974	6		.7749183	.1718668	-1.15	0.254	.4983495	1.2
	1.depressionBinary							
> 88204			1.783422	.4319571	2.39	0.019	1.101237	2.8
> 78936	_cons		.1238151	.0431831	-5.99	0.000	.0618418	.24
> —————								
3								
> 86393	1.fsAny		1.17592	.0972747	1.96	0.054	.9973998	1.3
	ageNew							
> 04199	2		.8092351	.0877581	-1.95	0.055	.6521232	1.0
> 58831	3		.8509389	.0934453	-1.47	0.146	.6838648	1.0
> 78631	4		.9320351	.109917	-0.60	0.552	.7370326	1.1
	eduNew							
> 25987	1		1.357269	.1231769	3.37	0.001	1.132961	1.6
	2		2.595523	.2994509	8.27	0.000	2.062968	3.2

> 65558

	Race						
> 27982	1	1.085596	.1099157	0.81	0.420	.8874507	1.3
> 15425	2	1.166693	.1132764	1.59	0.116	.9616706	1.4
> 63429	3	1.465009	.2869245	1.95	0.055	.9920599	2.1
> 48487	1.Male	.5840465	.0467182	-6.72	0.000	.4980812	.68
	BMIcat						
> 63445	5	1.370389	.1334252	3.24	0.002	1.128962	1.6
> 73069	6	1.739231	.1534256	6.27	0.000	1.459153	2.0
	1.depressionBinary						
> 74024		1.153704	.1420177	1.16	0.249	.9029921	1.4
> 55909	_cons	1.322802	.1882305	1.97	0.053	.9965234	1.7
> _____							
4	1.fsAny	1.194998	.1671259	1.27	0.206	.90463	1.5
> 78568	ageNew						
> 42871	2	.7807982	.1494488	-1.29	0.200	.5334334	1.1
> 02448	3	1.013245	.2005353	0.07	0.947	.6833287	1.5
> 14692	4	1.426926	.2820134	1.80	0.076	.962844	2.1
	eduNew						
> 02614	1	1.931194	.4357781	2.92	0.005	1.232431	3.
> 48697	2	3.103168	.7275996	4.83	0.000	1.945897	4.9
	Race						
> 73977	1	1.178143	.1714526	1.13	0.263	.8818565	1.5
> 99123	2	1.167502	.1845227	0.98	0.330	.8523805	1.5
> 74434	3	1.043942	.3069768	0.15	0.884	.58141	1.8
	1.Male						
> 66192		1.138862	.1445506	1.02	0.309	.8846093	1.4
	BMIcat						
> 25303	5	.8735838	.1583136	-0.75	0.458	.6090427	1.
> 03848	6	.7931706	.1662652	-1.11	0.272	.5225905	1.2
	1.depressionBinary						
> 65998		.6962007	.209155	-1.21	0.232	.3828564	1.2
> 82434	_cons	.1005461	.0289211	-7.99	0.000	.0567175	.17
> _____							
5		(base outcome)					

> —————

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

39 .
end of do-file40 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
41 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny##i.Male i.ageNew i.eduN
> ew i.Race i.BMICat, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,061
Number of PSUs	=	154	Population size	=	186,043,967
			Subpop. no. obs	=	7,645
			Subpop. size	=	61,927,933.5
			Design df	=	79
			F(52, 28)	=	8.96
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.30908	.1306468	2.70	0.009	1.073235	1.596754
1.Male	.7608508	.0734421	-2.83	0.006	.6278533	.922021
fsAny#Male						
1 1	.9213743	.157414	-0.48	0.633	.655766	1.294563
ageNew						
2	.9676088	.1159627	-0.27	0.784	.7622565	1.228283
3	.8637486	.1093214	-1.16	0.251	.6713952	1.111211
4	1.014897	.1228726	0.12	0.903	.7975629	1.291454
eduNew						
1	1.385156	.1717088	2.63	0.010	1.08228	1.772793
2	2.868741	.4135342	7.31	0.000	2.153181	3.822101
Race						
1	1.193143	.1135722	1.86	0.067	.9872079	1.442037
2	1.030904	.1077618	0.29	0.772	.8372535	1.269345
3	1.047218	.1996033	0.24	0.809	.7165913	1.530392
BMICat						
5	1.306921	.1420625	2.46	0.016	1.052651	1.62261
6	1.722972	.2020548	4.64	0.000	1.364283	2.175967
_cons	.4708229	.0719384	-4.93	0.000	.3473577	.6381726
2						
1.fsAny	2.496424	.5279898	4.33	0.000	1.638665	3.803176
1.Male	.7750339	.1479341	-1.34	0.186	.530055	1.133236
fsAny#Male						
1 1	.8025575	.2148451	-0.82	0.414	.4710474	1.367375
ageNew						
2	.8186356	.198768	-0.82	0.412	.5048947	1.327335
3	1.15036	.2994393	0.54	0.592	.6852033	1.931294
4	1.284786	.2939221	1.10	0.277	.8148383	2.02577

	eduNew					
	1	.79571	.1785065	-1.02	0.311	.5091307
	2	.765956	.1796657	-1.14	0.259	.4802163
	Race					
	1	1.676532	.3010387	2.88	0.005	1.172715
	2	.9950263	.2379176	-0.02	0.983	.6182165
	3	.9794838	.4167495	-0.05	0.961	.4199482
	BMIcat					
	5	1.227564	.2516449	1.00	0.320	.8162772
	6	.7846437	.1743306	-1.09	0.278	.5042113
	_cons	.1271255	.043072	-6.09	0.000	.0647661
3						
	1.fsAny	1.29811	.132182	2.56	0.012	1.059957
	1.Male	.6053643	.0567147	-5.36	0.000	.5023773
	fsAny#Male					
	1 1	.8401658	.1408096	-1.04	0.302	.6018481
	ageNew					
	2	.811342	.0879527	-1.93	0.057	.6538755
	3	.8528552	.0941465	-1.44	0.153	.6846203
	4	.9376573	.1111685	-0.54	0.589	.7405529
	eduNew					
	1	1.356573	.1234816	3.35	0.001	1.131769
	2	2.57995	.2989069	8.18	0.000	2.048609
	Race					
	1	1.080275	.1095803	0.76	0.449	.8827696
	2	1.163881	.1119527	1.58	0.119	.9610784
	3	1.468485	.2880568	1.96	0.054	.9938059
	BMIcat					
	5	1.369346	.1335392	3.22	0.002	1.127749
	6	1.743431	.1542689	6.28	0.000	1.461887
	_cons	1.308944	.1812369	1.94	0.055	.993643
4						
	1.fsAny	1.389643	.2626826	1.74	0.086	.9538914
	1.Male	1.257442	.1935989	1.49	0.141	.9255422
	fsAny#Male					
	1 1	.7004568	.1888104	-1.32	0.190	.4096079
	ageNew					
	2	.7752321	.1484235	-1.33	0.187	.5295763
	3	1.00366	.199975	0.02	0.985	.6750722
	4	1.410493	.2787273	1.74	0.086	.9518065
	eduNew					
	1	1.948071	.4363677	2.98	0.004	1.247297
	2	3.142769	.7406286	4.86	0.000	1.966062
	Race					
	1	1.178934	.1700319	1.14	0.257	.8847394
	2	1.176022	.1846045	1.03	0.305	.8604404
	3	1.048541	.3060588	0.16	0.871	.5864941
	BMIcat					
	5	.8754731	.1586789	-0.73	0.465	.610328
	6	.7862841	.16453	-1.15	0.254	.5184358
	_cons	1.308944	.1812369	1.94	0.055	.993643

<u>_cons</u>	.0931281	.0267597	-8.26	0.000	.0525641	.1649954
5	(base outcome)					

Note: _cons estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

42 .
end of do-file

43 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
44 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny##i.Race i.ageNew i.eduN
> ew i.Male i.BMICat, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,061
Number of PSUs	=	154	Population size	=	186,043,967
			Subpop. no. obs	=	7,645
			Subpop. size	=	61,927,933.5
			Design df	=	79
			F(60, 20)	=	12.53
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.287729	.2116269	1.54	0.128	.9284558	1.786027
Race						
1	1.169573	.1269451	1.44	0.153	.9423259	1.451622
2	1.116838	.1447323	0.85	0.396	.8629118	1.445487
3	.9465174	.2051223	-0.25	0.800	.614884	1.457015
fsAny#Race						
1 1	1.028015	.2268618	0.13	0.901	.6625747	1.595012
1 2	.8242861	.1756781	-0.91	0.367	.5393139	1.259837
1 3	1.314176	.5917195	0.61	0.546	.5363288	3.22015
ageNew						
2	.9677685	.115662	-0.27	0.785	.7628841	1.227678
3	.8637954	.1092432	-1.16	0.250	.6715618	1.111056
4	1.015272	.122933	0.13	0.901	.7978343	1.29197
eduNew						
1	1.377597	.1716899	2.57	0.012	1.074946	1.765458
2	2.8578	.4118889	7.29	0.000	2.14507	3.807343
1.Male	.7459416	.0580743	-3.76	0.000	.6388589	.8709732
BMICat						
5	1.304096	.141681	2.44	0.017	1.050495	1.618919
6	1.715252	.202328	4.57	0.000	1.356314	2.169182
_cons	.4775007	.0751635	-4.70	0.000	.3490616	.6531997
2						
1.fsAny	3.328024	.8430349	4.75	0.000	2.010071	5.510126
Race						
1	2.170183	.4473857	3.76	0.000	1.439762	3.271161
2	1.697555	.4894172	1.84	0.070	.9563109	3.013342
3	.729869	.555055	-0.41	0.680	.1606384	3.316198

	fsAny#Race					
	1 1	.5106226	.1640618	-2.09	0.040	.2693749
	1 2	.3242822	.1018196	-3.59	0.001	.1735809
	1 3	1.410292	1.358222	0.36	0.722	.2073882
	ageNew					
	2	.8163438	.1981718	-0.84	0.406	.5035299
	3	1.152891	.3016867	0.54	0.588	.6848293
	4	1.296859	.2971014	1.13	0.260	.8219686
	eduNew					
	1	.7810958	.174472	-1.11	0.272	.5007437
	2	.762176	.1771958	-1.17	0.246	.4798263
	1.Male	.7216235	.0948014	-2.48	0.015	.5555804
	BMIcat					
	5	1.212693	.2480688	0.94	0.349	.8070871
	6	.7696889	.171258	-1.18	0.243	.4942817
	_cons	.1186876	.0422304	-5.99	0.000	.0584557
3						
3	1.fsAny	1.406829	.1822594	2.63	0.010	1.087051
	Race					
	1	1.162071	.1232021	1.42	0.160	.9409903
	2	1.31655	.1629085	2.22	0.029	1.029135
	3	1.587537	.3595814	2.04	0.045	1.011406
	fsAny#Race					
	1 1	.7552729	.1441474	-1.47	0.145	.5165604
	1 2	.6936658	.1295908	-1.96	0.054	.4782502
	1 3	.7024598	.3230444	-0.77	0.445	.2812455
	ageNew					
	2	.8095599	.0885145	-1.93	0.057	.6512292
	3	.853156	.0944161	-1.44	0.155	.6844843
	4	.9404069	.1118202	-0.52	0.607	.7422127
	eduNew					
	1	1.346519	.1232602	3.25	0.002	1.122229
	2	2.571753	.3002651	8.09	0.000	2.038456
	1.Male	.5798327	.0454332	-6.96	0.000	.4960995
	BMIcat					
	5	1.364561	.1330826	3.19	0.002	1.123792
	6	1.735869	.1532635	6.25	0.000	1.456108
	_cons	1.308901	.1831414	1.92	0.058	.9907269
4						
4	1.fsAny	1.380863	.3046653	1.46	0.148	.8900722
	Race					
	1	1.151426	.1730404	0.94	0.351	.853738
	2	1.472349	.2320333	2.45	0.016	1.07592
	3	1.214601	.4053854	0.58	0.562	.6250536
	fsAny#Race					
	1 1	.9842149	.2840703	-0.06	0.956	.5541015
	1 2	.5216238	.1823687	-1.86	0.066	.260096
	1 3	.475056	.3878053	-0.91	0.365	.0935556
	ageNew					

2	.769245	.1475407	-1.37	0.175	.5251282	1.126844
3	1.001416	.200259	0.01	0.994	.6725847	1.491015
4	1.411231	.2796975	1.74	0.086	.951198	2.093752
eduNew						
1	1.910814	.4284201	2.89	0.005	1.222936	2.985612
2	3.095745	.7305395	4.79	0.000	1.935409	4.951738
1.Male	1.15678	.144815	1.16	0.248	.9016394	1.484118
BMIcat						
5	.8717897	.1585125	-0.75	0.453	.6070651	1.251954
6	.7799042	.1619881	-1.20	0.235	.5158156	1.179202
_cons	.0969176	.0278367	-8.13	0.000	.0547164	.1716674
5	(base outcome)					

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```
45 .
end of do-file

46 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
47 . mlogtest, wald
```

Wald tests for independent variables (N=22061)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsAny	5.895	4	4	0.000
1.Race	3.551	4	4	0.010
2.Race	2.332	4	4	0.063
3.Race	1.885	4	4	0.122
1.fsAny#1.Race	2.080	4	4	0.092
1.fsAny#2.Race	3.624	4	4	0.009
1.fsAny#3.Race	0.792	4	4	0.534
2.ageNew	1.388	4	4	0.246
3.ageNew	0.946	4	4	0.442
4.ageNew	2.006	4	4	0.102
1.eduNew	5.161	4	4	0.001
2.eduNew	26.631	4	4	0.000
1.Male	13.472	4	4	0.000
5.BMICat	5.096	4	4	0.001
6.BMICat	14.183	4	4	0.000

```
48 .
end of do-file

49 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
```

```
50 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny##i.Race i.ageNew i.eduN
> ew i.Male i.BMICat i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,061
Number of PSUs	=	154	Population size	=	186,043,967
			Subpop. no. obs	=	7,645
			Subpop. size	=	61,927,933.5
			Design df	=	79
			F(64, 16)	=	12.01
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> _____	doingAbtWt						
> rval]							
> _____							
1							
> 94108	1.fsAny	1.208809	.2049778	1.12	0.267	.8625302	1.6
	Race						
> 53435	1	1.171655	.1268591	1.46	0.147	.9445034	1.4
> 41801	2	1.11285	.1447878	0.82	0.414	.8589509	1.4
> 58685	3	.9444082	.2062672	-0.26	0.794	.6114458	1.4
	fsAny#Race						
> 46897	1 1	1.05716	.2354471	0.25	0.804	.6786024	1.6
> 17567	1 2	.8561509	.1854268	-0.72	0.475	.5563241	1.3
> 38696	1 3	1.326934	.5948519	0.63	0.530	.5436615	3.2
	ageNew						
> 20487	2	.9593966	.1160178	-0.34	0.733	.7541593	1.2
> 99843	3	.853237	.1088319	-1.24	0.217	.6619248	1.0
> 69182	4	.9971262	.1208556	-0.02	0.981	.7833872	1.2
	eduNew						
> 72865	1	1.390764	.1696096	2.70	0.008	1.091016	1.7
> 65173	2	2.914425	.4133944	7.54	0.000	2.19754	3.8
	1.Male						
> 43915		.7629384	.0609317	-3.39	0.001	.6508056	.89
	BMICat						
> 24806	5	1.308277	.1424168	2.47	0.016	1.053412	1.6
> 49476	6	1.699818	.2004334	4.50	0.000	1.344225	2.1
	1.depressionBinary						
> 40382		1.473178	.2038767	2.80	0.006	1.118467	1.9
	_cons						
		.4596381	.071548	-4.99	0.000	.3371752	.62

> 65798

> —							
2							
> 40403	1.fsAny	3.01334	.7484681	4.44	0.000	1.837951	4.9
> 85605	Race						
	1	2.176905	.4502075	3.76	0.000	1.442326	3.2
> 04636	2	1.69532	.4874305	1.84	0.070	.9565582	3.0
> 27225	3	.7284524	.5559036	-0.42	0.679	.1594851	3.3
> 13723	fsAny#Race						
	1 1	.5323487	.1722616	-1.95	0.055	.2795589	1.0
> 96015	1 2	.3446087	.1070704	-3.43	0.001	.1856705	.63
> 23394	1 3	1.41206	1.361476	0.36	0.721	.2071943	9.6
> 89949	ageNew						
	2	.7983581	.1924451	-0.93	0.353	.4941094	1.2
> 85285	3	1.122493	.2924178	0.44	0.659	.668329	1.8
> 58515	4	1.242527	.2840556	0.95	0.345	.7882877	1.9
> 37055	eduNew						
	1	.7938217	.1769264	-1.04	0.303	.5093975	1.2
> 68892	2	.7885739	.1884517	-0.99	0.323	.4900721	1.2
> 00096	1.Male	.7497344	.1008874	-2.14	0.035	.5735675	.98
> 46006	BMIcat						
	5	1.226768	.2518567	1.00	0.323	.8152516	1.8
> 83429	6	.761412	.1686958	-1.23	0.222	.4898883	1.1
> 70111	1.depressionBinary	1.702722	.4163106	2.18	0.032	1.046623	2.7
> 32604	_cons	.1126394	.0411954	-5.97	0.000	.0543926	.23
> —							
3							
> 89407	1.fsAny	1.378524	.1806708	2.45	0.017	1.061989	1.7
> 35802	Race						
	1	1.162708	.1232374	1.42	0.159	.9415582	1.4
> 82649	2	1.31574	.1625929	2.22	0.029	1.028837	1.6
> 87852	3	1.586227	.3586624	2.04	0.045	1.01136	2.4
> 14797	fsAny#Race						
	1 1	.7615429	.145801	-1.42	0.159	.5202271	1.1

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> 17194	1 2	.7028377	.1305346	-1.90	0.061	.4856311	1.0
> 56145	1 3	.7051185	.3232575	-0.76	0.448	.2831157	1.7
	ageNew						
> 03577	2	.8070083	.0883826	-1.96	0.054	.6489412	1.0
> 59032	3	.8500133	.0938896	-1.47	0.145	.6822483	1.0
> 82705	4	.9347791	.1104804	-0.57	0.570	.7388252	1.1
	eduNew						
> 17967	1	1.350002	.1228048	3.30	0.001	1.126417	1.6
> 58313	2	2.585713	.3003533	8.18	0.000	2.051955	3.2
	1.Male						
> 44736		.5837701	.0466743	-6.73	0.000	.4978827	.68
	BMIcat						
> 58853	5	1.365921	.1333339	3.19	0.002	1.124718	1.6
> 06285	6	1.731668	.1522506	6.25	0.000	1.453657	2.
	1.depressionBinary						
> 51729		1.136395	.1398162	1.04	0.302	.8895547	1.4
> 16981	_cons	1.295223	.1834276	1.83	0.072	.9770651	1.7
> —							
4							
> 36818	1.fsAny	1.445534	.3170566	1.68	0.097	.9341694	2.2
	Race						
> 51533	1	1.150184	.1729633	0.93	0.355	.8526557	1.5
> 21677	2	1.476432	.2331337	2.47	0.016	1.078239	2.0
> 36628	3	1.216583	.4066215	0.59	0.559	.6254855	2.
	fsAny#Race						
> 17576	1 1	.9638203	.2797664	-0.13	0.899	.5408492	1.7
> 17863	1 2	.5094267	.1771521	-1.94	0.056	.2549611	1.0
> 41333	1 3	.4691001	.3860237	-0.92	0.360	.0911831	2.
	ageNew						
> 33213	2	.773604	.148371	-1.34	0.185	.5281117	1.1
> 97505	3	1.008175	.2004037	0.04	0.967	.6787395	1.4
> 17256	4	1.427226	.2827909	1.80	0.076	.9620817	2.1
	eduNew						
> 70783	1	1.89808	.4271934	2.85	0.006	1.212713	2.9
> 64277	2	3.048262	.7157149	4.75	0.000	1.910232	4.8

	1.Male	1.140947	.1455479	1.03	0.304	.8850966	1.4
> 70755							
	BMIcat						
> 48214	5	.8691998	.1580344	-0.77	0.443	.6052717	1.2
> 87907	6	.7858424	.1631309	-1.16	0.249	.5198624	1.1
	1.depressionBinary	.6822265	.2038904	-1.28	0.204	.3763409	1.2
> 36733	_cons	.0995971	.0288052	-7.98	0.000	.0560061	.17
> 71161							
> _____							
5		(base outcome)					

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

51 .
end of do-file

52 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
53 . mlogtest, wald

```

Wald tests for independent variables (N=22061)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsAny	5.459	4	4	0.001
1.Race	3.556	4	4	0.010
2.Race	2.352	4	4	0.061
3.Race	1.869	4	4	0.125
1.fsAny#1.Race	2.001	4	4	0.103
1.fsAny#2.Race	3.529	4	4	0.011
1.fsAny#3.Race	0.797	4	4	0.531
2.ageNew	1.373	4	4	0.251
3.ageNew	0.963	4	4	0.433
4.ageNew	1.932	4	4	0.114
1.eduNew	5.201	4	4	0.001
2.eduNew	26.876	4	4	0.000
1.Male	12.569	4	4	0.000
5.BMICat	5.144	4	4	0.001
6.BMICat	14.124	4	4	0.000
1.depressionBi~y	3.653	4	4	0.009

```

54 .
end of do-file

```

```
55 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
56 . svy, subpop(if obese == 1): mlogit doingAbtWt i.fsAny##i.Male i.ageNew i.eduN
> ew i.Race i.BMIcat i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,061
Number of PSUs	=	154	Population size	=	186,043,967
			Subpop. no. obs	=	7,645
			Subpop. size	=	61,927,933.5
			Design df	=	79
			F(56, 24)	=	8.58
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
>	_____						
>	doingAbtWt						
> rval]							
>	_____						
1							
> 06343	1.fsAny	1.233596	.1237976	2.09	0.040	1.010234	1.5
> 99836	1.Male	.773855	.0756099	-2.62	0.010	.6370872	.93
> 20702	fsAny#Male						
	1 1	.9428862	.1596259	-0.35	0.729	.6731528	1.3
> 20729	ageNew						
	2	.9589561	.1162812	-0.35	0.731	.7533177	1.2
> 00279	3	.8534721	.1089138	-1.24	0.218	.662027	1.1
> 69291	4	.996982	.1209535	-0.02	0.980	.7830935	1.2
> 77951	eduNew						
	1	1.396692	.1693577	2.76	0.007	1.09719	1.7
> 78954	2	2.923996	.4151638	7.56	0.000	2.204139	3.8
> 56558	Race						
	1	1.2046	.114943	1.95	0.055	.9962257	1.4
> 83195	2	1.040918	.1094287	0.38	0.704	.8443844	1.2
> 52983	3	1.046008	.1997874	0.24	0.814	.7151985	1.
> 28695	BMIcat						
	5	1.311204	.1428383	2.49	0.015	1.055603	1.6
> 54833	6	1.706544	.1999746	4.56	0.000	1.351517	2.1
> 34735	1.depressionBinary	1.477435	.2001607	2.88	0.005	1.128223	1.9
> 13658	_cons	.4536281	.068863	-5.21	0.000	.3353309	.6
>	_____						

2							
> 04026	1.fsAny		2.26432	.4637783	3.99	0.000	1.506201
> 66572	1.Male		.7971881	.1524865	-1.18	0.240	.5447661
> 41148	fsAny#Male						
	1 1		.8286978	.2217153	-0.70	0.485	.4865391
> 95134	ageNew						
	2		.8009969	.1933676	-0.92	0.361	.4953899
> 75511	3		1.118853	.2903734	0.43	0.666	.6674621
> 40577	4		1.230532	.2816223	0.91	0.367	.7802877
> 61013	eduNew						
	1		.8084988	.1805476	-0.95	0.344	.518369
> 81491	2		.7937306	.1910248	-0.96	0.340	.4916211
> .4518	Race						
	1		1.712541	.3087421	2.98	0.004	1.19618
> 58222	2		1.025976	.2474681	0.11	0.916	.6347923
> 82838	3		.9725261	.4169081	-0.06	0.948	.414312
> 68483	BMIcat						
	5		1.240602	.2552505	1.05	0.298	.8237133
> 03319	6		.7744237	.1714707	-1.15	0.252	.4983982
> 74205	1.depressionBinary		1.772176	.4305395	2.36	0.021	1.092687
> 06596	_cons		.1200238	.0419502	-6.07	0.000	.0598593
> —							
3							
> 55484	1.fsAny		1.2717	.128695	2.38	0.020	1.03969
> 48815	1.Male		.6085826	.0576575	-5.24	0.000	.5039899
> 80293	fsAny#Male						
	1 1		.8470377	.1411864	-1.00	0.322	.6078766
> 03516	ageNew						
	2		.8084255	.0878005	-1.96	0.054	.651262
> 57838	3		.8494847	.0936155	-1.48	0.143	.6821688
> 78149	4		.9316124	.1098883	-0.60	0.550	.7366652
> 28303	eduNew						
	1		1.35988	.1230732	3.40	0.001	1.135707
> 64517	2		2.594962	.2992529	8.27	0.000	2.062732

	Race						
> 32612	1	1.083106	.1101495	0.79	0.435	.8846254	1.
> 18342	2	1.168676	.1136807	1.60	0.113	.962958	1.4
> 67148	3	1.467796	.2873356	1.96	0.053	.9941285	2.1
	BMIcat						
> 64576	5	1.370792	.1337298	3.23	0.002	1.128859	1.6
> 71565	6	1.738459	.1531119	6.28	0.000	1.458915	2.0
1.depressionBinary		1.146774	.1403588	1.12	0.267	.8988249	1.4
> 63123	_cons	1.294947	.181667	1.84	0.069	.9794456	1.7
> —————							
4	1.fsAny	1.459525	.279946	1.97	0.052	.9963369	2.1
> 38045	1.Male	1.247137	.1927128	1.43	0.157	.9169322	1.6
> 96256	fsAny#Male						
> 81387	1 1	.6843581	.1877135	-1.38	0.171	.3964374	1.1
	ageNew						
> 40741	2	.7793366	.1491721	-1.30	0.197	.5324308	1.1
> 98292	3	1.010743	.199889	0.05	0.957	.6818444	1.4
> 12666	4	1.426585	.2814303	1.80	0.076	.9633067	2.1
	eduNew						
> 32603	1	1.937966	.4359753	2.94	0.004	1.238445	3.0
> 47939	2	3.100965	.7279508	4.82	0.000	1.943432	4.9
	Race						
> 61101	1	1.170164	.1694572	1.09	0.281	.8771278	1.5
> 04329	2	1.171145	.1851778	1.00	0.321	.8549245	1.6
> 78353	3	1.049185	.3069788	0.16	0.870	.5860396	1.8
	BMIcat						
> 52026	5	.8732373	.1580734	-0.75	0.456	.6090473	1.2
> 00746	6	.7918619	.1656213	-1.12	0.268	.5222131	1.2
1.depressionBinary		.6848582	.2083148	-1.24	0.217	.3738192	1.2
> 54699	_cons	.0953194	.0275536	-8.13	0.000	.0536168	.1
> —————							
5		(base outcome)					

> —

Note: **_cons** estimates baseline relative risk for each outcome.
 Note: 3 strata omitted because they contain no subpopulation members.

57 .

end of do-file

58 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

59 . ////////////what they would like to weigh
 > svy, subpop(if obese == 1): mlogit LikeToWeigh i.fsAny, rrr baseoutcome(0)
 (running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,741
Number of PSUs	=	154	Population size	=	191,440,514
			Subpop. no. obs	=	8,325
			Subpop. size	=	67,324,480.3
			Design df	=	79
			F(2, 78)	=	4.43
			Prob > F	=	0.0150

LikeToWeigh	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	.7523325	.0747802	-2.86	0.005	.6172857	.9169241
_cons	16.37192	1.1077	41.32	0.000	14.30912	18.7321
0	(base outcome)					
1						
1.fsAny	1.45368	.5621446	0.97	0.336	.6732637	3.138717
_cons	.0454731	.0117534	-11.96	0.000	.0271846	.0760651

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

60 .

end of do-file

61 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

62 . svy, subpop(if obese == 1): mlogit LikeToWeigh i.fsAny i.ageNew i.eduNew i.Ra
 > ce i.Male, rrr baseoutcome(0)
 (running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,607
Number of PSUs	=	154	Population size	=	190,711,077
			Subpop. no. obs	=	8,191
			Subpop. size	=	66,595,043.1
			Design df	=	79
			F(20, 60)	=	805.19
			Prob > F	=	0.0000

LikeToWeigh	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.021676	.1154283	0.19	0.850	.8159225	1.279314
ageNew						
2	1.579114	.2429221	2.97	0.004	1.162606	2.144837
3	1.296921	.2308032	1.46	0.148	.9100713	1.848211
4	1.554038	.2311649	2.96	0.004	1.155779	2.089528
eduNew						
1	2.096263	.2954348	5.25	0.000	1.583494	2.775077
2	3.055004	.4623628	7.38	0.000	2.260383	4.128969
Race						
1	.4172806	.0529194	-6.89	0.000	.3241903	.5371014
2	.6190212	.0750855	-3.95	0.000	.4862406	.7880608
3	.6315226	.1814604	-1.60	0.114	.3564528	1.11886
1.Male	.3842896	.0368193	-9.98	0.000	.317567	.465031
_cons	12.29816	2.483444	12.43	0.000	8.227697	18.3824
0	(base outcome)					
1						
1.fsAny	1.076557	.3997477	0.20	0.843	.5141052	2.254353
ageNew						
2	.5077529	.2627653	-1.31	0.194	.1812585	1.42235
3	.419682	.2201432	-1.66	0.102	.1477337	1.192233
4	.3051208	.1896349	-1.91	0.060	.0885553	1.051305
eduNew						
1	1.548648	.836767	0.81	0.421	.5282952	4.539715
2	.959669	.6385451	-0.06	0.951	.2552342	3.608311
Race						
1	1.036825	.5702267	0.07	0.948	.3469645	3.098316
2	1.892457	1.066033	1.13	0.261	.6167099	5.807259
3	2.24e-10	1.04e-10	-47.71	0.000	8.88e-11	5.67e-10
1.Male	.8495698	.3234722	-0.43	0.670	.3981662	1.812732
_cons	.0765977	.0602731	-3.27	0.002	.0159958	.3667976

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

63 .
end of do-file

64 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

65 . svy, subpop(if obese == 1): mlogit LikeToWeigh i.fsAny i.ageNew i.eduNew i.Ra
> ce i.Male i.BMICat, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

```

Number of strata	=	75	Number of obs	=	22,607
Number of PSUs	=	154	Population size	=	190,711,077
			Subpop. no. obs	=	8,191
			Subpop. size	=	66,595,043.1
			Design df	=	79
			F(24, 56)	=	718.26
			Prob > F	=	0.0000

LikeToWeigh	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	.976498	.1153079	-0.20	0.841	.7719612	1.235228
ageNew						
2	1.572059	.2484778	2.86	0.005	1.147721	2.153285
3	1.338614	.248375	1.57	0.120	.9252546	1.936642
4	1.608238	.2499365	3.06	0.003	1.180341	2.191257
eduNew						
1	2.054977	.3006862	4.92	0.000	1.535752	2.749748
2	3.167199	.4912164	7.43	0.000	2.325974	4.312666
Race						
1	.375026	.0493068	-7.46	0.000	.2886744	.4872081
2	.6696375	.0799346	-3.36	0.001	.5280212	.8492354
3	.6884917	.196437	-1.31	0.195	.3901761	1.21489
1.Male	.4427478	.0407349	-8.86	0.000	.368658	.5317275
BMIcat						
5	3.294269	.445394	8.82	0.000	2.517006	4.311555
6	4.755908	1.068058	6.94	0.000	3.041596	7.436444
_cons	7.433862	1.476615	10.10	0.000	5.00619	11.0388
0	(base outcome)					
1						
1.fsAny	1.072783	.3944375	0.19	0.849	.5160319	2.230217
ageNew						
2	.50682	.2612076	-1.32	0.191	.1816909	1.413755
3	.4165169	.2200704	-1.66	0.101	.1455115	1.192252
4	.3030384	.1890993	-1.91	0.059	.0875138	1.049346
eduNew						
1	1.573242	.8522756	0.84	0.405	.5351797	4.624781
2	.9636222	.6554181	-0.05	0.957	.2488556	3.731351
Race						
1	1.024509	.5676987	0.04	0.965	.3400269	3.08687
2	1.889757	1.089015	1.10	0.273	.6001393	5.950587
3	2.46e-10	1.14e-10	-47.54	0.000	9.72e-11	6.20e-10
1.Male	.8490105	.3085444	-0.45	0.654	.4118705	1.75011
BMIcat						
5	.7996486	.5441417	-0.33	0.743	.2063799	3.098353
6	1.26065	.8211526	0.36	0.723	.3447635	4.609649
_cons	.0774199	.0642835	-3.08	0.003	.0148281	.4042206

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

66 .
end of do-file

67 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

68 . svy, subpop(if obese == 1): mlogit LikeToWeigh i.fsAny i.ageNew i.eduNew i.Ra
> ce i.Male i.BMICat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =           75
Number of PSUs        =          154
Number of obs         =     22,607
Population size       = 190,711,077
Subpop. no. obs       =          8,191
Subpop. size          = 66,595,043.1
Design df             =          79
F( 26,      54)       =    655.16
Prob > F              = 0.0000

> _____
>
> _____
>   LikeToWeigh | RRR   Linearized
> rval]          | Std. Err.      t    P>|t| [95% Conf. Inte
> _____
> -1
> 48213   1.fsAny | .9895768  .1154367 -0.09  0.929  .7845311  1.2
> 58438   ageNew  2 | 1.57679  .2487386  2.89  0.005  1.151883  2.1
> 46985   3 | 1.344012  .2502557  1.59  0.116  .9277774  1.9
> 00025   4 | 1.619036  .2494195  3.13  0.002  1.191477  2.2
> 45356   eduNew  1 | 2.049998  .30081  4.89  0.000  1.530763  2.7
> 97285   2 | 3.150849  .4912178  7.36  0.000  2.31026  4.2
> 61906   Race    1 | .3742425  .0492039 -7.48  0.000  .2880712  .48
> 60047   2 | .6671077  .0796237 -3.39  0.001  .5260404  .84
> 13839   3 | .6891659  .1959908 -1.31  0.194  .3912791  1.2
> 27965   1.Male   | .439681  .0404195 -8.94  0.000  .3661595  .5
> 07889   BMICat  5 | 3.291718  .4449236  8.81  0.000  2.515248  4.3
> 77553   6 | 4.771614  1.076897  6.92  0.000  3.044886  7.4
> 38944   1.depressionBinary | .8883862  .1484511 -0.71  0.481  .6370183  1.2
> 21492   _cons   | 7.521171  1.50965 10.05  0.000  5.043995  11.
> _____
>
```

0		(base outcome)					
> -----							
1							
> 17068	1.fsAny	1.040691	.3843703	0.11	0.914	.4989393	2.
> 92527	ageNew	.5028252	.2573259	-1.34	0.183	.1815643	1.3
> 66505	2	.411856	.215419	-1.70	0.094	.1454133	1.1
> 36516	3	.2974532	.1865557	-1.93	0.057	.0853613	1.0
> 39436	eduNew	1.575763	.8548783	0.84	0.404	.5352008	4.6
> 78468	1	.9705697	.6627593	-0.04	0.965	.2493088	3.7
> 93147	Race	1.028534	.5689527	0.05	0.960	.3420081	3.0
> 60198	2	1.902836	1.091501	1.12	0.265	.6074939	5.9
> 4e-10	3	2.45e-10	1.13e-10	-48.00	0.000	9.80e-11	6.1
> 07744	1.Male	.8647264	.3203639	-0.39	0.696	.413638	1.8
> 15006	BMIcat	.8036407	.5470119	-0.32	0.749	.2073313	3.1
> 64103	5	1.24231	.8121555	0.33	0.741	.3381461	4.5
> 28358	1.depressionBinary	1.341369	.7824669	0.50	0.616	.4200393	4.
> 82496	_cons	.0750773	.062936	-3.09	0.003	.0141534	.39
> -----							

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

69 .
end of do-file

70 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
71 . svy, subpop(if obese == 1): mlogit LikeToWeigh i.fsAny##i.Race i.ageNew i.edu
> New i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,607
Number of PSUs	=	154	Population size	=	190,711,077
			Subpop. no. obs	=	8,191
			Subpop. size	=	66,595,043.1
			Design df	=	79
			F(32, 48)	=	486.59
			Prob > F	=	0.0000

			Linearized				
			RRR	Std. Err.	t	P> t	[95% Conf. Inte
>	LikeToWeigh	rval]					
> -1							
> 68985	1.fsAny		.969336	.2345229	-0.13	0.898	.5988662 1.5
> 21771	Race	1	.3614012	.0597292	-6.16	0.000	.2600892 .50
> 39501		2	.6457005	.0981916	-2.88	0.005	.4770628 .87
> 84245		3	.8490457	.2921762	-0.48	0.636	.4280129 1.6
> 70351	fsAny#Race	1 1	1.111594	.3196739	0.37	0.714	.627117 1.9
> 94706		1 2	1.084195	.3320803	0.26	0.793	.5892993 1.9
> 16229		1 3	.5430394	.3293882	-1.01	0.317	.1623649 1.8
> 57334	ageNew	2	1.570113	.2506292	2.83	0.006	1.142732 2.1
> 47253		3	1.339443	.2517892	1.55	0.124	.9213526 1.9
> 02107		4	1.615779	.2513208	3.08	0.003	1.185565 2.2
> 60714	eduNew	1	2.060285	.3029123	4.92	0.000	1.537564 2.7
> 17016		2	3.161566	.4947716	7.36	0.000	2.315372 4.3
> 28724	1.Male		.4401565	.0405419	-8.91	0.000	.3664251 .5
> 11168	BMIcat	5	3.297717	.4439784	8.86	0.000	2.522504 4.3
> 99999		6	4.784991	1.080391	6.93	0.000	3.052819 7.4
> 38232	1.depressionBinary		.8900273	.1476431	-0.70	0.485	.6397415 1.2
> .3845	_cons		7.535803	1.562046	9.74	0.000	4.988215 11
> 0			(base outcome)				
> 1							
> 90083	1.fsAny		.7608628	.6611542	-0.31	0.754	.134942 4.2
> 97402	Race	1	1.094448	.7122721	0.14	0.890	.2996488 3.9
		2	1.403549	1.032835	0.46	0.646	.3244202 6.0

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> 72219	3	1.02e-09	5.73e-10	-36.86	0.000	3.34e-10	3.1
> 2e-09							
	fsAny#Race						
> 36045	1 1	.9691459	1.059313	-0.03	0.977	.1100327	8.5
> 45428	1 2	2.077864	2.024833	0.75	0.455	.2987017	14.
> 93438	1 3	.604016	.5880011	-0.52	0.606	.0870015	4.1
	ageNew						
> 94379	2	.5066909	.257693	-1.34	0.185	.1841218	1.3
> 75166	3	.4151376	.217023	-1.68	0.097	.146651	1.1
> 34962	4	.2960969	.1861616	-1.94	0.056	.0847117	1.0
	eduNew						
> 71812	1	1.586703	.8687045	0.84	0.402	.5336078	4.
> 68536	2	.9796729	.6759753	-0.03	0.976	.2480936	3.8
	1.Male						
> 94435		.8621134	.3175058	-0.40	0.688	.4141915	1.7
	BMIcat						
> 38243	5	.8092721	.5510276	-0.31	0.757	.2086904	3.1
> 75214	6	1.265461	.8308437	0.36	0.721	.3425278	4.6
	1.depressionBinary						
> 82636		1.379135	.8010989	0.55	0.582	.4339884	4.3
> 05966	_cons	.0790865	.0708621	-2.83	0.006	.013291	.47

> —

Note: cons estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

72 .
end of do-file

73 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

74 . mlogtest, wald
—Break—
r(1);

end of do-file

—Break—
r(1);

```
75 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
76 . svy, subpop(if obese == 1): mlogit LikeToWeigh i.fsAny##i.Male i.ageNew i.edu
> New i.Race i.BMICat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,607
Number of PSUs	=	154	Population size	=	190,711,077
			Subpop. no. obs	=	8,191
			Subpop. size	=	66,595,043.1
			Design df	=	79
			F(28, 52)	=	684.61
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
>	LikeToWeigh						
> rval]							
> -1							
> 12892	1.fsAny	.8870745	.1394192	-0.76	0.448	.6487809	1.2
> 77043	1.Male	.4132578	.0467836	-7.81	0.000	.3298834	.51
> 88907	fsAny#Male						
> 88907	1 1	1.20321	.2397482	0.93	0.356	.8092737	1.7
> 60083	ageNew						
> 60083	2	1.577889	.248964	2.89	0.005	1.152609	2.1
> 53328	3	1.34841	.251065	1.61	0.112	.9308261	1.9
> 99183	4	1.618722	.2492177	3.13	0.002	1.19147	2.1
> 43478	eduNew						
> 43478	1	2.049982	.3001107	4.90	0.000	1.531788	2.7
> 02155	2	3.155475	.491409	7.38	0.000	2.314426	4.3
> 66017	Race						
> 66017	1	.374609	.049227	-7.47	0.000	.2883917	.48
> 45738	2	.6652373	.0797731	-3.40	0.001	.523981	.84
> 21029	3	.6876749	.1953036	-1.32	0.191	.3907301	1.
> 02004	BMICat						
> 02004	5	3.287107	.444358	8.80	0.000	2.511636	4.3
> 83419	6	4.774801	1.077895	6.93	0.000	3.046566	7.4
> 47787	i.depressionBinary						
> 47787		.8936729	.1498639	-0.67	0.505	.6400541	1.2
> 81381	_cons	7.831838	1.617446	9.97	0.000	5.192035	11.

0		(base outcome)					
> _____							
1							
> 64117	1.fsAny	2.304048	1.492411	1.29	0.201	.6346917	8.3
> 29154	1.Male	1.650904	.9239063	0.90	0.373	.5419366	5.0
> 50244	fsAny#Male						
	1 1	.2588965	.2327901	-1.50	0.137	.0432367	1.5
> 73327	ageNew						
	2	.4981694	.2537966	-1.37	0.175	.1807092	1.3
> 34005	3	.4003317	.209416	-1.75	0.084	.141327	1.1
> 36445	4	.2994586	.1867921	-1.93	0.057	.0865222	1.0
> 39902	eduNew						
	1	1.561186	.8543384	0.81	0.418	.5252915	4.6
> 11421	2	.9586453	.6519476	-0.06	0.951	.2476143	3.7
> 61139	Race						
	1	1.045715	.5811764	0.08	0.936	.3459261	3.1
> 27395	2	1.950881	1.105609	1.18	0.242	.63144	6.0
> 8e-10	3	2.22e-10	1.03e-10	-48.01	0.000	8.83e-11	5.5
> 12522	BMIcat						
	5	.8211628	.549711	-0.29	0.769	.2166437	3.1
> 45327	6	1.238967	.8090813	0.33	0.744	.337718	4.5
> 05066	1.depressionBinary	1.318624	.7838432	0.47	0.643	.4038891	4.3
> 18023	_cons	.0466594	.0375772	-3.81	0.000	.009392	.23

> _____

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

77 .
end of do-file

78 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

```

79 . svy, subpop(if obese == 1): mlogit LikeToWeigh i.fsAny##i.Race##i.Male i.ageN
> ew i.eduNew i.BMICat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)
an error occurred when svy executed mlogit
—Break—
r(1);

```

end of do-file

—Break—
r(1);

```

80 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
81 . svy, subpop(if obese == 1): mlogit ConsiderWt i.fsAny, rrr baseoutcome(0)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,733
Number of PSUs	=	154	Population size	=	191,417,450
			Subpop. no. obs	=	8,317
			Subpop. size	=	67,301,417
			Design df	=	79
			F(2 , 78)	=	2.38
			Prob > F	=	0.0994

ConsiderWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.038576	.3664436	0.11	0.915	.514559	2.096243
_cons	.06836	.0182659	-10.04	0.000	.0401626	.1163541
0	(base outcome)					
1						
1.fsAny	.8165126	.0767227	-2.16	0.034	.6772306	.9844397
_cons	10.8073	.6595598	39.00	0.000	9.571081	12.20319

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

82 .
end of do-file

```

```

83 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
84 . svy, subpop(if obese == 1): mlogit ConsiderWt i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male, rrr baseoutcome(0)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,599
Number of PSUs	=	154	Population size	=	190,688,013
			Subpop. no. obs	=	8,183
			Subpop. size	=	66,571,979.7
			Design df	=	79
			F(20 , 60)	=	833.85
			Prob > F	=	0.0000

ConsiderWt		Linearized RRR	Std. Err.	t	P> t	[95% Conf. Interval]
-1						
1.fsAny		1.359027	.4244062	0.98	0.329	.7299184 2.530357
ageNew						
2		1.074533	.5807206	0.13	0.895	.3664719 3.150638
3		1.681259	.8988468	0.97	0.334	.5800705 4.872912
4		2.554832	1.093747	2.19	0.031	1.08965 5.990149
eduNew						
1		1.405846	.8028255	0.60	0.553	.4511154 4.381145
2		2.977252	.9772099	3.32	0.001	1.549115 5.721993
Race						
1		.4045391	.1811191	-2.02	0.047	.165934 .9862471
2		1.018035	.3418558	0.05	0.958	.5217753 1.986286
3		1.67e-10	7.10e-11	-52.84	0.000	7.14e-11 3.89e-10
1.Male		.222536	.0746533	-4.48	0.000	.1141325 .4339015
_cons		.0566699	.0262752	-6.19	0.000	.0225191 .1426113
0	(base outcome)					
1						
1.fsAny		1.13433	.1191221	1.20	0.234	.9203643 1.398038
ageNew						
2		1.528785	.1927286	3.37	0.001	1.189513 1.964823
3		1.667986	.2498428	3.42	0.001	1.23797 2.24737
4		2.077179	.2717635	5.59	0.000	1.600945 2.695078
eduNew						
1		2.450943	.3122314	7.04	0.000	1.901998 3.158322
2		2.846658	.3663675	8.13	0.000	2.203337 3.677814
Race						
1		.3660183	.0394967	-9.31	0.000	.2952716 .4537158
2		.6335809	.0793425	-3.64	0.000	.4937978 .8129334
3		.6578394	.1548926	-1.78	0.079	.4117005 1.051135
1.Male		.3549763	.0308799	-11.91	0.000	.2985385 .4220835
_cons		7.383693	1.14625	12.88	0.000	5.420971 10.05704

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

85 .
end of do-file

86 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

87 . svy, subpop(if obese == 1): mlogit ConsiderWt i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male i.BMICat, rrr baseoutcome(0)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,599
Number of PSUs	=	154	Population size	=	190,688,013
			Subpop. no. obs	=	8,183
			Subpop. size	=	66,571,979.7
			Design df	=	79
			F(24, 56)	=	723.88
			Prob > F	=	0.0000

ConsiderWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.307974	.4326347	0.81	0.419	.6771272	2.52655
ageNew						
2	1.068862	.5800358	0.12	0.903	.3629257	3.147932
3	1.726196	.9239307	1.02	0.311	.5948477	5.009272
4	2.61825	1.133688	2.22	0.029	1.105892	6.198829
eduNew						
1	1.438299	.8233851	0.63	0.527	.4602364	4.494871
2	3.130336	1.032196	3.46	0.001	1.623866	6.034365
Race						
1	.3555957	.1605775	-2.29	0.025	.1447431	.8736052
2	1.090649	.3772417	0.25	0.803	.5478803	2.171123
3	1.07e-10	4.63e-11	-53.07	0.000	4.52e-11	2.53e-10
1.Male	.2433211	.0777489	-4.42	0.000	.128814	.4596174
BMICat						
5	1.446826	.6917376	0.77	0.442	.5586253	3.747243
6	6.864531	4.143988	3.19	0.002	2.064257	22.82748
_cons	.042014	.0185996	-7.16	0.000	.0174063	.1014104
0	(base outcome)					
1						
1.fsAny	1.078712	.117983	0.69	0.491	.867677	1.341075
ageNew						
2	1.531231	.2029465	3.21	0.002	1.176168	1.993482
3	1.748187	.2799396	3.49	0.001	1.271053	2.40443
4	2.194719	.3111883	5.54	0.000	1.655046	2.910367
eduNew						
1	2.46564	.3214353	6.92	0.000	1.902111	3.196122
2	3.049333	.4028585	8.44	0.000	2.344231	3.966518
Race						
1	.3117755	.0346013	-10.50	0.000	.2499799	.3888472
2	.6920323	.0837547	-3.04	0.003	.543883	.8805363
3	.7209718	.1699523	-1.39	0.169	.4509686	1.152631
1.Male	.4131823	.03632	-10.06	0.000	.3468603	.4921854
BMICat						
5	3.510594	.4390726	10.04	0.000	2.736934	4.502949
6	9.537973	1.96299	10.96	0.000	6.332092	14.36696
_cons	4.092574	.6431089	8.97	0.000	2.993353	5.595454

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

88 .
end of do-file

89 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

90 . svy, subpop(if obese == 1): mlogit ConsiderWt i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =       75          Number of obs     =    22,599
Number of PSUs        =      154          Population size = 190,688,013
                                                Subpop. no. obs =      8,183
                                                Subpop. size   = 66,571,979.7
                                                Design df      =       79
                                                F(  26,      54) =     616.78
                                                Prob > F       =     0.0000



|         | ConsiderWt         | RRR      | Linearized<br>Std. Err. | t      | P> t  | [95% Conf. Inte |
|---------|--------------------|----------|-------------------------|--------|-------|-----------------|
| > rval] |                    |          |                         |        |       |                 |
| > -1    |                    |          |                         |        |       |                 |
| > 45144 | 1.fsAny            | 1.360342 | .428138                 | 0.98   | 0.331 | .727083 2.5     |
| > 39057 | ageNew             | 1.072026 | .5786404                | 0.13   | 0.898 | .3661098 3.1    |
| > 49359 | 2                  | 1.7399   | .9313209                | 1.03   | 0.304 | .5995321 5.0    |
| > 38068 | 3                  | 2.645058 | 1.161278                | 2.22   | 0.030 | 1.103859 6.3    |
| > 40849 | eduNew             | 1.422404 | .80836                  | 0.62   | 0.537 | .4589405 4.     |
| > 93871 | 1                  | 3.085887 | 1.014939                | 3.43   | 0.001 | 1.603496 5.     |
| > 49831 | Race               | .3513956 | .1590275                | -2.31  | 0.023 | .1427529 .86    |
| > 61666 | 1                  | 1.083566 | .3759623                | 0.23   | 0.818 | .5431528 2.1    |
| > 3e-10 | 2                  | 2.29e-10 | 9.93e-11                | -51.16 | 0.000 | 9.65e-11 5.4    |
| > 69689 | 3                  | .2397711 | .0776888                | -4.41  | 0.000 | .1258076 .45    |
| > 40161 | 1.Male             | 1.445425 | .6903976                | 0.77   | 0.443 | .5585999 3.7    |
| > 33346 | 5                  | 6.936488 | 4.227488                | 3.18   | 0.002 | 2.062054 23.    |
| > 23767 | 1.depressionBinary | .7291218 | .4548351                | -0.51  | 0.614 | .2106449 2.5    |
| > 47028 | _cons              | .0430316 | .0192235                | -7.04  | 0.000 | .0176854 .10    |
| >       |                    |          |                         |        |       |                 |


```

0		(base outcome)					
> -----							
1							
> 06147	1.fsAny	1.052426	.1141986	0.47	0.639	.8479911	1.3
> 98439	ageNew	1.52378	.2021941	3.17	0.002	1.170085	1.
> 88494	2	1.736504	.2781173	3.45	0.001	1.262488	2.3
> 76173	3	2.169557	.3073071	5.47	0.000	1.636542	2.8
> 12429	eduNew	2.479589	.3225661	6.98	0.000	1.913928	3.2
> 07746	1	3.08196	.4067005	8.53	0.000	2.370031	4.0
> 99907	Race	.3127532	.0346792	-10.48	0.000	.2508127	.38
> 63257	1	.696863	.0841983	-2.99	0.004	.5479002	.88
> 50542	2	.720351	.1694614	-1.39	0.167	.4510095	1.1
> 91108	3	.418386	.0370837	-9.83	0.000	.3507174	.49
> 07736	1.Male	3.51762	.4382957	10.09	0.000	2.744982	4.5
> 31602	BMIcat	9.491321	1.959831	10.90	0.000	6.292614	14.
> 76211	5	1.288856	.2076775	1.57	0.119	.9352208	1.7
> 66191	6	3.997946	.6282812	8.82	0.000	2.924079	5.4
	_cons						

> -----

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

91 .
    end of do-file

92 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

93 . svy, subpop(if obese == 1): mlogit ConsiderWt i.fsAny##i.Male i.ageNew i.eduN
> ew i.Race i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,599
Number of PSUs	=	154	Population size	=	190,688,013
			Subpop. no. obs	=	8,183
			Subpop. size	=	66,571,979.7
			Design df	=	79
			F(28, 52)	=	545.35
			Prob > F	=	0.0000

	ConsiderWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte
> _____	rval]					
> _____						
-1	1.fsAny	1.07523	.436202	0.18	0.859	.4795264 2.4
> 10961	1.Male	.1974809	.0911658	-3.51	0.001	.0787882 .49
> 49816	fsAny#Male					
> 44346	1 1	1.905047	1.53222	0.80	0.425	.3842728 9.4
> 45445	ageNew					
> 07627	2	1.071924	.5797314	0.13	0.898	.3652969 3.1
> 35888	3	1.747758	.9362377	1.04	0.300	.6017525 5.
> 84163	4	2.642271	1.160997	2.21	0.030	1.101913 6.3
> 86557	eduNew					
> 90278	1	1.419469	.8042188	0.62	0.538	.4595841 4.3
> 46026	2	3.101079	1.024786	3.42	0.001	1.606382 5.9
> 7e-10	Race					
> 49545	1	.3550271	.1576048	-2.33	0.022	.1467289 .85
> 34169	2	1.07681	.3730734	0.21	0.831	.5403105 2.1
> 41213	3	2.28e-10	1.00e-10	-50.47	0.000	9.49e-11 5.4
> 71915	BMIcat					
> 0	5	1.446577	.69219	0.77	0.443	.5580903 3.7
> 85072	6	6.947196	4.229861	3.18	0.002	2.067697 23.
> _____	1.depressionBinary					
> 29949		.7439883	.4591394	-0.48	0.633	.2178167 2.5
> 67161	_cons	.0462829	.0216024	-6.58	0.000	.0182787 .11
> _____	0	(base outcome)				
> _____	1					
> 29949	1.fsAny	.9820233	.1381981	-0.13	0.898	.7421142 1.
> 67161	1.Male	.4033628	.0462272	-7.92	0.000	.3210901 .50
> 40675	fsAny#Male					
> 40675	1 1	1.121074	.2144883	0.60	0.552	.7660301 1.6
> 85072	ageNew					
> 85072	2	1.524626	.2021443	3.18	0.002	1.170982 1.9

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> 95046	3	1.7399	.2793481	3.45	0.001	1.263964	2.3
> 76009	4	2.169387	.3073065	5.47	0.000	1.636379	2.8
> 21215	eduNew 1	2.479683	.3224225	6.98	0.000	1.914241	3.
> 09789	2	3.08425	.4066415	8.54	0.000	2.372344	4.0
> 04369	Race 1	.3129439	.0347843	-10.45	0.000	.2508314	.39
> 50353	2	.6956252	.0841609	-3.00	0.004	.5467516	.88
> 48352	3	.7193369	.1690433	-1.40	0.165	.4505984	1.1
> 06512	BMIcat 5	3.515234	.4387173	10.07	0.000	2.742003	4.5
> 32172	6	9.497222	1.959983	10.91	0.000	6.297933	14.
1.depressionBinary		1.293598	.2083021	1.60	0.114	.9388634	1.7
> 82364	_cons	4.096093	.6648597	8.69	0.000	2.965224	5.6
> 58251							

> —

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

94 .
end of do-file

95 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
96 . svy, subpop(if obese == 1): mlogit ConsiderWt i.fsAny##i.Race i.ageNew i.eduN
> ew i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata =	75	Number of obs =	22,599
Number of PSUs =	154	Population size =	190,688,013
		Subpop. no. obs =	8,183
		Subpop. size =	66,571,979.7
		Design df =	79
		F(32, 48) =	590.42
		Prob > F =	0.0000

> —
ConsiderWt | Linearized
RRR Std. Err. t P>|t| [95% Conf. Inte
> rval]

> —
-1 1.fsAny | .8865569 .5241564 -0.20 0.839 .2732911 2.8
> 75993

> 20089 Race
1 | .4291157 .2068424 -1.76 0.083 .1643979 1.1

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> 23369	2	.4167859	.2571781	-1.42	0.160	.1220418	1.4
> 4e-10	3	2.32e-10	1.12e-10	-46.18	0.000	8.93e-11	6.0
	fsAny#Race						
> 68479	1 1	.6630517	.5511807	-0.49	0.622	.1267522	3.4
> 29556	1 2	6.083756	5.459083	2.01	0.048	1.019741	36.
> 42075	1 3	1.09453	.8289384	0.12	0.905	.2424076	4.9
	ageNew						
> 70052	2	1.079097	.5842197	0.14	0.889	.3673284	3.1
> 75393	3	1.752911	.9362533	1.05	0.297	.605411	5.0
> 31656	4	2.634398	1.157444	2.20	0.030	1.098708	6.
	eduNew						
> 20321	1	1.490502	.8308007	0.72	0.476	.4914687	4.5
> 20139	2	3.258535	1.110208	3.47	0.001	1.653867	6.4
	1.Male						
> 43219		.2382037	.0772706	-4.42	0.000	.1248917	.45
	BMIcat						
> 68009	5	1.456938	.6955194	0.79	0.433	.5633397	3.7
> 18202	6	7.147233	4.376722	3.21	0.002	2.112435	24.
	1.depressionBinary						
> 63385		.7688328	.4756139	-0.42	0.672	.2244257	2.
> 80961	_cons	.0439412	.0198721	-6.91	0.000	.0178622	.10
> _____							
0		(base outcome)					
> _____							
1	1.fsAny	1.019361	.2433288	0.08	0.936	.6338403	1.6
> 39368							
	Race						
> 13454	1	.3134468	.0428023	-8.50	0.000	.2388478	.41
> 35405	2	.664262	.0913997	-2.97	0.004	.5051215	.87
> 38736	3	.7538684	.2310104	-0.92	0.359	.4096395	1.
	fsAny#Race						
> 84769	1 1	1.008923	.3066902	0.03	0.977	.5509176	1.
> 18394	1 2	1.128394	.3008519	0.45	0.652	.663718	1.9
> 04978	1 3	.858253	.4618582	-0.28	0.777	.2940538	2.5
	ageNew						
	2	1.523347	.2012139	3.19	0.002	1.171164	1.9

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> 81436	3	1.736695	.2792708	3.43	0.001	1.261003	2.3
> 91833	4	2.167871	.3072254	5.46	0.000	1.635035	2.8
> 74352							
	eduNew						
> 21488	1	2.485413	.32391	6.99	0.000	1.917524	3.2
> 10497	2	3.087453	.4057276	8.58	0.000	2.376855	4.0
> 92007	1.Male	.4181958	.0372002	-9.80	0.000	.3503356	.49
	BMIcat						
> 12233	5	3.520293	.4390494	10.09	0.000	2.746414	4.5
> 34871	6	9.512482	1.964459	10.91	0.000	6.306301	14.
	1.depressionBinary						
> 80705		1.293873	.2076029	1.61	0.112	.9401377	1.7
> 55523	_cons	4.015341	.6548518	8.52	0.000	2.902304	5.

> —

Note: _cons estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

97 .
end of do-file

98 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

99 . svy, subpop(if obese == 1): mlogit ConsiderWt i.fsAny##i.Race##i.Male i.ageNe
> w i.eduNew i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,599
Number of PSUs	=	154	Population size	=	190,688,013
			Subpop. no. obs	=	8,183
			Subpop. size	=	66,571,979.7
			Design df	=	79
			F(46, 34)	=	527.70
			Prob > F	=	0.0000

> —							
	ConsiderWt		Linearized				
> rval]		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> —							
-1	1.fsAny	.655411	.5782395	-0.48	0.633	.1132025	3.7
> 94647							
	Race						
> 79626	1	.3977313	.2334987	-1.57	0.120	.1236222	1.2
> 99786	2	.3818729	.3176517	-1.16	0.251	.0729212	1.9
> 3e-10	3	8.29e-11	4.97e-11	-38.75	0.000	2.52e-11	2.7

	fsAny#Race						
> 50186	1 1	.9662631	1.055661	-0.03	0.975	.1098188	8.
> .3025	1 2	6.63367	8.051875	1.56	0.123	.5922489	74
> 35584	1 3	2.212612	2.571067	0.68	0.496	.2189876	22.
> 66154	1.Male	.1870547	.1007747	-3.11	0.003	.0640111	.54
> 44225	fsAny#Male						
> 22847	1 1	2.48451	3.627771	0.62	0.535	.1358382	45.
> 48985	Race#Male						
> 70243	1 1	1.342602	1.066218	0.37	0.712	.2763488	6.5
> 19025	2 1	1.298838	1.860764	0.18	0.856	.0750107	22.
> 25417	3 1	2.633567	1.855162	1.37	0.173	.6480469	10.
> 36103	fsAny#Race#Male						
> 4e-09	1 1 1	1.38e-10	2.32e-10	-13.47	0.000	4.82e-12	3.9
> .3469	1 2 1	.6203276	1.250977	-0.24	0.813	.0112035	34
> 16988	1 3 1	.2239757	.3687754	-0.91	0.366	.0084509	5.9
> 88668	ageNew						
> 19162	2	1.077109	.5875781	0.14	0.892	.363659	3.
> 35252	3	1.754752	.9449577	1.04	0.300	.6007616	5.1
> 59989	4	2.632143	1.165092	2.19	0.032	1.090619	6.
> 66164	eduNew						
> 02493	1	1.481499	.8202908	0.71	0.480	.4921177	4.4
> 19162	2	3.259149	1.121806	3.43	0.001	1.642713	6.4
> 98697	BMIcat						
> 16988	5	1.462377	.7020714	0.79	0.431	.5624068	3.8
> 16988	6	7.150097	4.378464	3.21	0.002	2.113289	24.
> 16988	1.depressionBinary						
> 16988	_cons	.782651	.4718745	-0.41	0.685	.2357115	2.5
> 16988		.0482899	.0243407	-6.01	0.000	.0177064	.13
> 16988							
> 0		(base outcome)					
> 1							
> 88668	1.fsAny	1.170941	.3679602	0.50	0.617	.6264555	2.1
> 88668	Race						
> 88668	1	.3287526	.0638844	-5.72	0.000	.2232996	.48

> 40058							
> 79054	2		.6735004	.1594891	-1.67	0.099	.4203709
> 60911	3		.6410755	.286608	-0.99	0.323	.2632935
	fsAny#Race						
> 46893	1 1		.7555523	.2957743	-0.72	0.476	.346628
> 41176	1 2		.8233834	.2853253	-0.56	0.577	.4130942
> 58431	1 3		.9993	.8431237	-0.00	0.999	.1863606
> 11173	1.Male		.4087046	.0757723	-4.83	0.000	.2825826
> 31285	fsAny#Male						
> 58926	1 1		.8069444	.285354	-0.61	0.546	.3991694
> 07473	Race#Male						
> 84742	1 1		.9157224	.2447687	-0.33	0.743	.5379009
> 32858	2 1		.9793244	.3015154	-0.07	0.946	.5306173
> 78055	3 1		1.248459	.6255735	0.44	0.659	.4604931
> 20301	fsAny#Race#Male						
> 94017	1 1 1		1.706544	.8184193	1.11	0.268	.6569789
> 14535	1 2 1		1.665031	.6854072	1.24	0.219	.7337978
> 97258	1 3 1		.8291225	.7155697	-0.22	0.829	.1487877
> 22431	ageNew						
> 01584	2		1.529397	.2038307	3.19	0.002	1.173037
> 10235	3		1.750641	.2827874	3.47	0.001	1.269289
> 35445	4		2.181854	.31086	5.48	0.000	1.643101
> 22431	eduNew						
> 01584	1		2.483109	.3251323	6.95	0.000	1.913409
> 10235	2		3.094274	.4052632	8.62	0.000	2.384191
> 35445	BMIcat						
> 10235	5		3.516845	.4395678	10.06	0.000	2.742252
> 35445	6		9.506986	1.967993	10.88	0.000	6.296499
> 62911	1.depressionBinary						
> 62911	_cons		1.283973	.2044908	1.57	0.121	.9351506
> 07558			4.060718	.7990229	7.12	0.000	2.74478
> _____							

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

100 .
    end of do-file

101 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

102 . svy, subpop(if BMICat >2): mlogit doingAbtWt i.fsAny, rrr baseoutcome(5)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata =	75	Number of obs =	21,389
Number of PSUs =	154	Population size =	180,315,780
		Subpop. no. obs =	14,461
		Subpop. size =	119,724,006
		Design df =	79
		F(4 , 76) =	24.11
		Prob > F =	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	.9968162	.0758179	-0.04	0.967	.8567727	1.15975
_cons	.7118528	.033259	-7.27	0.000	.6486374	.7812291
2						
1.fsAny	2.244586	.2225038	8.16	0.000	1.842659	2.734183
_cons	.1118917	.0072226	-33.93	0.000	.0984007	.1272324
3						
1.fsAny	.902787	.0587956	-1.57	0.120	.7930253	1.027741
_cons	1.618027	.0693228	11.23	0.000	1.485763	1.762065
4						
1.fsAny	.6899198	.0690524	-3.71	0.000	.5652997	.8420122
_cons	.2925314	.020741	-17.34	0.000	.2540283	.3368703
5	(base outcome)					

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

103 .
    end of do-file

104 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

105 . svy, subpop(if BMICat >2): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male, rrr baseoutcome(5)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata =	75	Number of obs =	21,148
Number of PSUs =	154	Population size =	179,071,589
		Subpop. no. obs =	14,220
		Subpop. size =	118,479,815
		Design df =	79
		F(40 , 40) =	21.69
		Prob > F =	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.195396	.1029693	2.07	0.042	1.007048	1.41897
ageNew						
2	.8885289	.0874355	-1.20	0.233	.7304767	1.080779
3	.8204235	.0759356	-2.14	0.036	.6823831	.9863882
4	.8905409	.0869686	-1.19	0.239	.7332197	1.081617
eduNew						
1	1.508782	.1529326	4.06	0.000	1.23312	1.846068
2	2.637075	.2790657	9.16	0.000	2.13621	3.255376
Race						
1	1.117493	.0845132	1.47	0.146	.9613229	1.299034
2	.893237	.0769692	-1.31	0.194	.752452	1.060363
3	.7408036	.1124922	-1.98	0.052	.5475657	1.002236
1.Male	.574919	.0337791	-9.42	0.000	.511466	.6462439
_cons	.552163	.0683592	-4.80	0.000	.431566	.7064596
2						
1.fsAny	2.170969	.258981	6.50	0.000	1.712111	2.752804
ageNew						
2	1.027117	.1934365	0.14	0.887	.706025	1.494238
3	1.330915	.2497839	1.52	0.132	.9160377	1.933692
4	1.250962	.215474	1.30	0.197	.8878655	1.762549
eduNew						
1	1.101719	.1646291	0.65	0.519	.8182722	1.48335
2	.8579539	.1377343	-0.95	0.343	.623287	1.180973
Race						
1	1.688473	.2129402	4.15	0.000	1.313639	2.170263
2	.8194724	.116237	-1.40	0.164	.6179007	1.086801
3	1.075511	.2891755	0.27	0.787	.6297822	1.836706
1.Male	.742879	.0730663	-3.02	0.003	.6107949	.9035262
_cons	.113504	.024494	-10.08	0.000	.0738696	.1744041
3						
1.fsAny	1.041414	.0766057	0.55	0.583	.8995715	1.205622
ageNew						
2	.890464	.0739871	-1.40	0.167	.7547297	1.050609
3	.9443729	.0783217	-0.69	0.492	.8006651	1.113874
4	.9368848	.0783694	-0.78	0.438	.7931887	1.106613
eduNew						
1	1.710099	.1281461	7.16	0.000	1.473141	1.985172
2	2.736634	.2256128	12.21	0.000	2.322472	3.224651
Race						
1	.9960465	.0809243	-0.05	0.961	.8473203	1.170878
2	1.041912	.0902263	0.47	0.637	.8769466	1.23791
3	1.04317	.1411275	0.31	0.756	.7969067	1.365536
1.Male	.4203695	.0248969	-14.63	0.000	.373623	.4729648
_cons	1.280681	.1185856	2.67	0.009	1.065117	1.539872
4						
1.fsAny	.9480434	.0982184	-0.52	0.608	.7713848	1.165159

ageNew						
2	.9662782	.1405047	-0.24	0.814	.7234447	1.290622
3	1.033003	.142221	0.24	0.814	.7853939	1.358674
4	1.228772	.1492909	1.70	0.094	.9648174	1.56494
eduNew						
1	1.689452	.2482286	3.57	0.001	1.261058	2.263377
2	3.455657	.4667537	9.18	0.000	2.641016	4.521581
Race						
1	1.057692	.1127827	0.53	0.600	.8554268	1.307782
2	.9602389	.1192793	-0.33	0.745	.7498939	1.229586
3	.8626784	.1553401	-0.82	0.415	.6028252	1.234544
1.Male	1.079172	.0910589	0.90	0.369	.9123271	1.27653
_cons	.1026347	.0168048	-13.90	0.000	.0740894	.142178
5	(base outcome)					

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

106 .
end of do-file

107 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
108 . svy, subpop(if BMICat>2): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male i.BMICat, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	20,949
Number of PSUs	=	154	Population size	=	177,569,925
			Subpop. no. obs	=	14,021
			Subpop. size	=	116,978,150
			Design df	=	79
			F(52, 28)	=	32.00
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.127228	.0985798	1.37	0.175	.9471382	1.34156
ageNew						
2	.8649527	.0881766	-1.42	0.159	.7061026	1.059539
3	.804562	.0760595	-2.30	0.024	.6665601	.9711353
4	.854612	.0849958	-1.58	0.118	.7011252	1.041699
eduNew						
1	1.449066	.1438498	3.74	0.000	1.189253	1.765639
2	2.691412	.2908768	9.16	0.000	2.170476	3.337379
Race						
1	1.02034	.0779368	0.26	0.793	.8764282	1.187884
2	.9111873	.0784944	-1.08	0.284	.7676092	1.081621
3	.7713303	.1199047	-1.67	0.099	.5660586	1.05104
1.Male	.6043648	.0352865	-8.62	0.000	.5380563	.6788449
BMICat						
4	1.657497	.1139913	7.35	0.000	1.445448	1.900654
5	2.102761	.2236967	6.99	0.000	1.701486	2.59867

	6	2.779106	.3698279	7.68	0.000	2.132406	3.621931
	_cons	.404169	.0571171	-6.41	0.000	.3050706	.5354584
2							
	1.fsAny	2.204554	.2690976	6.48	0.000	1.729032	2.810854
	ageNew						
	2	1.019596	.1864087	0.11	0.916	.7085746	1.467136
	3	1.297888	.2400676	1.41	0.163	.8981388	1.875561
	4	1.238207	.2130777	1.24	0.218	.8790942	1.74402
	eduNew						
	1	1.056438	.1617891	0.36	0.721	.7788583	1.432945
	2	.8352064	.1365135	-1.10	0.274	.6032563	1.156341
	Race						
	1	1.703975	.2231532	4.07	0.000	1.312972	2.211418
	2	.8012163	.1199599	-1.48	0.143	.5947352	1.079384
	3	1.119949	.3020862	0.42	0.676	.6546827	1.91587
	1.Male	.7283313	.0725647	-3.18	0.002	.597315	.8880849
	BMIcat						
	4	.9522798	.1111181	-0.42	0.676	.7549114	1.201249
	5	1.148912	.2109431	0.76	0.452	.7972104	1.655771
	6	.7250483	.1581834	-1.47	0.145	.4696476	1.119339
	_cons	.1187559	.0259063	-9.77	0.000	.0769272	.1833288
3							
	1.fsAny	.9816926	.0713807	-0.25	0.800	.8494158	1.134568
	ageNew						
	2	.8640344	.0744603	-1.70	0.094	.7278395	1.025714
	3	.9258309	.080112	-0.89	0.376	.7793485	1.099845
	4	.8987585	.0781611	-1.23	0.223	.7559034	1.068611
	eduNew						
	1	1.654189	.1223279	6.81	0.000	1.427774	1.916509
	2	2.811269	.2406229	12.08	0.000	2.370898	3.333435
	Race						
	1	.9025626	.0763179	-1.21	0.229	.7627512	1.068001
	2	1.053984	.0923049	0.60	0.550	.8853779	1.254699
	3	1.106291	.1454961	0.77	0.445	.8514925	1.437336
	1.Male	.4470555	.0261717	-13.75	0.000	.3978826	.5023054
	BMIcat						
	4	1.647279	.1035596	7.94	0.000	1.453525	1.866862
	5	2.187975	.1815323	9.44	0.000	1.854903	2.580854
	6	2.811907	.2790423	10.42	0.000	2.307901	3.425978
	_cons	.9280465	.0929447	-0.75	0.458	.7603178	1.132777
4							
	1.fsAny	.9623182	.0989452	-0.37	0.710	.7842185	1.180865
	ageNew						
	2	.9518817	.1434293	-0.33	0.744	.7052274	1.284804
	3	1.03927	.1448858	0.28	0.783	.7874366	1.371643
	4	1.244432	.1577258	1.73	0.088	.9669574	1.60153
	eduNew						
	1	1.689003	.2452308	3.61	0.001	1.265085	2.254971
	2	3.418616	.4630935	9.07	0.000	2.610664	4.476613

Race						
1	1.064655	.1139995	0.59	0.560	.860295	1.317559
2	.9548594	.1208125	-0.37	0.716	.7422786	1.228321
3	.8832145	.1604813	-0.68	0.496	.6151711	1.26805
1.Male	1.073118	.0938261	0.81	0.422	.9017097	1.277111
BMIcat						
4	1.065027	.1091341	0.61	0.540	.8685214	1.305992
5	.9308265	.1747791	-0.38	0.704	.6405524	1.352642
6	.8536512	.1848571	-0.73	0.467	.5547365	1.313633
_cons	.1032212	.018159	-12.91	0.000	.0727266	.1465023
5	(base outcome)					

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```
109 .
end of do-file

110 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

111 . svy, subpop(if BMIcat>2): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata =	75	Number of obs =	20,949
Number of PSUs =	154	Population size =	177,569,925
		Subpop. no. obs =	14,021
		Subpop. size =	116,978,150
		Design df =	79
		F(56 , 24) =	27.45
		Prob > F =	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> _____	doingAbtWt						
> rval]							
> _____							
1	1.fsAny	1.0862	.0957484	0.94	0.351	.9114004	1.2
> 94524							
> _____	ageNew						
> 53531	2	.8581607	.0884316	-1.48	0.142	.6990203	1.0
> 16795	3	.795571	.0757904	-2.40	0.019	.658154	.96
> 28634	4	.8429223	.0843206	-1.71	0.092	.6907395	1.0
> 75872	eduNew						
> 99641	1	1.460858	.1433137	3.86	0.000	1.201722	1.7
> 96894	2	2.741078	.2965183	9.32	0.000	2.210089	3.3
> _____	Race						
> 96894	1	1.027107	.0789422	0.35	0.729	.8814057	1.1

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> 96646	2		.9219294	.080381	-0.93	0.354	.7750485	1.0
> 50599	3		.7695881	.1203456	-1.67	0.098	.5637413	1.0
> 23883	1.Male		.6150321	.036607	-8.17	0.000	.5463184	.69
> 88225	BMIcat		1.646584	.1132781	7.25	0.000	1.435866	1.8
> 90129	4		2.095194	.2232211	6.94	0.000	1.694833	2.5
> 58288	5		2.733817	.3620191	7.59	0.000	2.10038	3.5
1.depressionBinary		1.437069	.1337095	3.90	0.000	1.194118	1.	
> 72945	_cons		.3915413	.0555583	-6.61	0.000	.2952001	.51
> -----								
> 2	1.fsAny		1.989606	.2443181	5.60	0.000	1.558175	2.5
> 40494	ageNew		.9935497	.1831776	-0.04	0.972	.6883594	1.4
> 34049	2		1.248636	.2347045	1.18	0.241	.8589106	1.8
> 15197	3		1.180336	.2010161	0.97	0.333	.8409843	1.6
> 56623	4		1.08823	.1656231	0.56	0.580	.8038163	1.4
> 73276	eduNew		.8867563	.144385	-0.74	0.463	.6412873	1.2
> 26185	1		1.752357	.2287319	4.30	0.000	1.351415	2.2
> 72253	Race		.8501095	.1263735	-1.09	0.278	.6323695	1.1
> 42823	2		1.115524	.3067697	0.40	0.692	.6452931	1.9
> 28416	3		.7684093	.076582	-2.64	0.010	.6301439	.93
> 70128	1.Male		2.294247	.3762199	5.06	0.000	1.655334	3.1
> 74561	BMIcat		.9281827	.1097812	-0.63	0.530	.7334851	1.1
> 44842	4		1.139554	.2101158	0.71	0.481	.7894877	1.6
> 06491	5		.6904079	.1503164	-1.70	0.093	.4476087	1.
1.depressionBinary		.1077414	.0237886	-10.09	0.000	.0694256	.16	
> -----								
> 3	1.fsAny		.9710902	.0706423	-0.40	0.688	.8401861	1.

> 12239

	ageNew						
> 23285	2	.8617648	.074377	-1.72	0.089	.7257394	1.0
> 96891	3	.9228925	.0800844	-0.92	0.358	.7764953	1.0
> 65127	4	.8948543	.0783106	-1.27	0.208	.7518015	1.0
	eduNew						
> 20374	1	1.6582	.1222852	6.86	0.000	1.431819	1.9
> 51818	2	2.827647	.2415852	12.17	0.000	2.385449	3.3
	Race						
> 70509	1	.9041168	.0767332	-1.19	0.239	.7635871	1.0
> 63877	2	1.059383	.0939376	0.65	0.517	.8879759	1.2
> 37804	3	1.105902	.1458213	0.76	0.447	.8506159	1.4
> 53289	1.Male	.4496025	.0263931	-13.62	0.000	.4000214	.50
	BMIcat						
> 62627	4	1.6441	.1030795	7.93	0.000	1.451212	1.8
> 81263	5	2.186712	.1822359	9.39	0.000	1.852468	2.5
> 07039	6	2.798764	.2765309	10.42	0.000	2.299087	3.4
1.depressionBinary		1.134519	.1137576	1.26	0.212	.9292545	1.3
> 85124	_cons	.9182217	.0920604	-0.85	0.397	.7521062	1.1
> 21027							
> 4							
> 99835	1.fsAny	.9784536	.1002643	-0.21	0.832	.7979195	1.1
	ageNew						
> 88265	2	.9542006	.1439021	-0.31	0.757	.7067635	1.2
> 74709	3	1.042513	.1448752	0.30	0.765	.7905924	1.3
> 12898	4	1.249802	.1601443	1.74	0.086	.9684458	1.6
	eduNew						
> 25186	1	1.684741	.2455821	3.58	0.001	1.260447	2.
> 38971	2	3.393798	.4577571	9.06	0.000	2.594715	4.4
	Race						
> 15354	1	1.063121	.1137106	0.57	0.569	.8592563	1.3
> 22617	2	.9533194	.1205513	-0.38	0.706	.7411842	1.
> 71877	3	.8848411	.1612984	-0.67	0.504	.6155815	1.2

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> 72372	1.Male	1.066934	.0943908	0.73	0.466	.8946665	1.2
	BMIcat						
> 09163	4	1.067341	.109508	0.64	0.527	.8701864	1.3
> 54056	5	.9326593	.174691	-0.37	0.711	.6424059	1.3
> 21435	6	.8597726	.1856539	-0.70	0.486	.5593988	1.3
	1.depressionBinary						
> 69135		.807103	.1835397	-0.94	0.349	.513275	1.2
	_cons	.1045807	.0183526	-12.87	0.000	.0737485	.14
> 83029							
> _____							
5		(base outcome)					

> _____

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

112 .
end of do-file

113 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

114 . svy, subpop(if BMIcat >2): mlogit LikeToWeigh i.fsAny##i.Race i.ageNew i.eduN
> ew i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,206
Number of PSUs	=	154	Population size	=	188,145,157
			Subpop. no. obs	=	15,278
			Subpop. size	=	127,553,383
			Design df	=	79
			F(34, 46)	=	40.67
			Prob > F	=	0.0000

> _____							
	LikeToWeigh		Linearized				
> rval]		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> _____							
-1	1.fsAny	.9811726	.1294601	-0.14	0.886	.7545488	1.2
> 75861							
	Race						
> 56644	1	.3569371	.0315776	-11.64	0.000	.2993064	.42
> 30543	2	.6763519	.0497766	-5.31	0.000	.5841892	.78
> 27351	3	.9856466	.1473889	-0.10	0.923	.7319084	1.3
	fsAny#Race						
> 55586	1 1	.9209527	.1434088	-0.53	0.598	.6755046	1.2
> 82117	1 2	1.003834	.1612776	0.02	0.981	.7290873	1.3
	1 3	.5365896	.1333318	-2.51	0.014	.3272244	.87

> 99111

	ageNew						
> 73979	2	1.224815	.1139471	2.18	0.032	1.01777	1.4
> 14293	3	1.420056	.134343	3.71	0.000	1.176321	1.7
> 39848	4	1.417174	.1039068	4.76	0.000	1.224736	1.6
	eduNew						
> 36706	1	1.840733	.1378865	8.15	0.000	1.585758	2.1
> 96365	2	2.659778	.2455685	10.60	0.000	2.21327	3.1
> 63294	1.Male	.2875913	.0137613	-26.04	0.000	.261464	.31
	BMIcat						
> 14489	4	4.375586	.2553256	25.30	0.000	3.895777	4.9
> 53399	5	14.04446	1.957161	18.96	0.000	10.64244	18.
> 95138	6	20.01615	4.383232	13.68	0.000	12.94437	30.
	1.depressionBinary						
> 41568		.9353592	.1330824	-0.47	0.640	.7046706	1.2
> 06118	_cons	2.781649	.2830342	10.05	0.000	2.271669	3.4
> _____							
0		(base outcome)					
> _____							
1							
> 76935	1.fsAny	2.506525	.8121089	2.84	0.006	1.315209	4.7
	Race						
> 72902	1	2.263199	.5191661	3.56	0.001	1.433588	3.5
> 73062	2	1.078206	.3541178	0.23	0.819	.5607779	2.0
> 43487	3	.5124381	.2650816	-1.29	0.200	.1830081	1.
	fsAny#Race						
> 69339	1_1	.6023797	.2485224	-1.23	0.223	.2649901	1.3
> 46154	1_2	.6777836	.3222465	-0.82	0.416	.2630871	1.7
> 54164	1_3	1.265844	1.04453	0.29	0.776	.244948	6.
	ageNew						
> 06514	2	.7887428	.1684318	-1.11	0.270	.5156304	1.2
> 38813	3	.4887976	.1311701	-2.67	0.009	.2865193	.83
> 30903	4	.3418244	.088742	-4.13	0.000	.2038839	.57
	eduNew						
> 98123	1	.9427901	.2193621	-0.25	0.801	.5933111	1.4

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	2	1.327488	.2342572	1.61	0.112	.9342986	1.8
> 86147							
	1.Male	1.645941	.2221041	3.69	0.000	1.258247	2.1
> 53091	BMIcat						
	4	.5572164	.1297407	-2.51	0.014	.3505498	.88
> 57233	5	.4357731	.2580612	-1.40	0.165	.1340743	1.4
> 16366	6	.6347203	.4033196	-0.72	0.476	.1791807	2
> .2484							
1.depressionBinary		1.12879	.3092852	0.44	0.660	.6542724	1.9
> 47456	_cons	.0551873	.016239	-9.85	0.000	.0307238	.09
> 91294							
> —							

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

115 .
end of do-file

116 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
117 . svy, subpop(if BMIcat >2): mlogit doingAbtWt i.fsAny, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,389
Number of PSUs	=	154	Population size	=	180,315,780
			Subpop. no. obs	=	14,461
			Subpop. size	=	119,724,006
			Design df	=	79
			F(4, 76)	=	24.11
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
	1.fsAny	.9968162	.0758179	-0.04	0.967	.8567727
2	_cons	.7118528	.033259	-7.27	0.000	.6486374
						.7812291
3						
	1.fsAny	2.244586	.2225038	8.16	0.000	1.842659
4	_cons	.1118917	.0072226	-33.93	0.000	.0984007
						.1272324
5						
	(base outcome)					

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

118 .
119 . //model 2
120 . svy, subpop(if BMIcat >2): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male, rrr baseoutcome(5)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,148
Number of PSUs	=	154	Population size	=	179,071,589
			Subpop. no. obs	=	14,220
			Subpop. size	=	118,479,815
			Design df	=	79
			F(40 , 40)	=	21.69
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.195396	.1029693	2.07	0.042	1.007048	1.41897
ageNew						
2	.8885289	.0874355	-1.20	0.233	.7304767	1.080779
3	.8204235	.0759356	-2.14	0.036	.6823831	.9863882
4	.8905409	.0869686	-1.19	0.239	.7332197	1.081617
eduNew						
1	1.508782	.1529326	4.06	0.000	1.23312	1.846068
2	2.637075	.2790657	9.16	0.000	2.13621	3.255376
Race						
1	1.117493	.0845132	1.47	0.146	.9613229	1.299034
2	.893237	.0769692	-1.31	0.194	.752452	1.060363
3	.7408036	.1124922	-1.98	0.052	.5475657	1.002236
1.Male						
_cons	.574919	.0337791	-9.42	0.000	.511466	.6462439
	.552163	.0683592	-4.80	0.000	.431566	.7064596
2						
1.fsAny	2.170969	.258981	6.50	0.000	1.712111	2.752804
ageNew						
2	1.027117	.1934365	0.14	0.887	.706025	1.494238
3	1.330915	.2497839	1.52	0.132	.9160377	1.933692
4	1.250962	.215474	1.30	0.197	.8878655	1.762549
eduNew						
1	1.101719	.1646291	0.65	0.519	.8182722	1.48335
2	.8579539	.1377343	-0.95	0.343	.623287	1.180973
Race						
1	1.688473	.2129402	4.15	0.000	1.313639	2.170263
2	.8194724	.116237	-1.40	0.164	.6179007	1.086801
3	1.075511	.2891755	0.27	0.787	.6297822	1.836706
1.Male						
_cons	.742879	.0730663	-3.02	0.003	.6107949	.9035262
	.113504	.024494	-10.08	0.000	.0738696	.1744041
3						
1.fsAny	1.041414	.0766057	0.55	0.583	.8995715	1.205622
ageNew						
2	.890464	.0739871	-1.40	0.167	.7547297	1.050609
3	.9443729	.0783217	-0.69	0.492	.8006651	1.113874
4	.9368848	.0783694	-0.78	0.438	.7931887	1.106613

	eduNew					
	1	1.710099	.1281461	7.16	0.000	1.473141
	2	2.736634	.2256128	12.21	0.000	2.322472
	Race					
	1	.9960465	.0809243	-0.05	0.961	.8473203
	2	1.041912	.0902263	0.47	0.637	.8769466
	3	1.04317	.1411275	0.31	0.756	.7969067
	1.Male	.4203695	.0248969	-14.63	0.000	.373623
	_cons	1.280681	.1185856	2.67	0.009	1.065117
4						
	1.fsAny	.9480434	.0982184	-0.52	0.608	.7713848
	ageNew					
	2	.9662782	.1405047	-0.24	0.814	.7234447
	3	1.033003	.142221	0.24	0.814	.7853939
	4	1.228772	.1492909	1.70	0.094	.9648174
	eduNew					
	1	1.689452	.2482286	3.57	0.001	1.261058
	2	3.455657	.4667537	9.18	0.000	2.641016
	Race					
	1	1.057692	.1127827	0.53	0.600	.8554268
	2	.9602389	.1192793	-0.33	0.745	.7498939
	3	.8626784	.1553401	-0.82	0.415	.6028252
	1.Male	1.079172	.0910589	0.90	0.369	.9123271
	_cons	.1026347	.0168048	-13.90	0.000	.0740894
5		(base outcome)				

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

121 .
122 . //also adjust for bmicat (degree of obesity here)
123 . svy, subpop(if BMIcat>2): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male i.BMICat, rrr baseoutcome(5)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	20,949
Number of PSUs	=	154	Population size	=	177,569,925
			Subpop. no. obs	=	14,021
			Subpop. size	=	116,978,150
			Design df	=	79
			F(52, 28)	=	32.00
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.127228	.0985798	1.37	0.175	.9471382	1.34156
ageNew						
2	.8649527	.0881766	-1.42	0.159	.7061026	1.059539
3	.804562	.0760595	-2.30	0.024	.6665601	.9711353
4	.854612	.0849958	-1.58	0.118	.7011252	1.041699
eduNew						

	1	1.449066	.1438498	3.74	0.000	1.189253	1.765639
	2	2.691412	.2908768	9.16	0.000	2.170476	3.337379
	Race						
	1	1.02034	.0779368	0.26	0.793	.8764282	1.187884
	2	.9111873	.0784944	-1.08	0.284	.7676092	1.081621
	3	.7713303	.1199047	-1.67	0.099	.5660586	1.05104
	1.Male	.6043648	.0352865	-8.62	0.000	.5380563	.6788449
	BMIcat						
	4	1.657497	.1139913	7.35	0.000	1.445448	1.900654
	5	2.102761	.2236967	6.99	0.000	1.701486	2.59867
	6	2.779106	.3698279	7.68	0.000	2.132406	3.621931
	_cons	.404169	.0571171	-6.41	0.000	.3050706	.5354584
2							
	1.fsAny	2.204554	.2690976	6.48	0.000	1.729032	2.810854
	ageNew						
	2	1.019596	.1864087	0.11	0.916	.7085746	1.467136
	3	1.297888	.2400676	1.41	0.163	.8981388	1.875561
	4	1.238207	.2130777	1.24	0.218	.8790942	1.74402
	eduNew						
	1	1.056438	.1617891	0.36	0.721	.7788583	1.432945
	2	.8352064	.1365135	-1.10	0.274	.6032563	1.156341
	Race						
	1	1.703975	.2231532	4.07	0.000	1.312972	2.211418
	2	.8012163	.1199599	-1.48	0.143	.5947352	1.079384
	3	1.119949	.3020862	0.42	0.676	.6546827	1.91587
	1.Male	.7283313	.0725647	-3.18	0.002	.597315	.8880849
	BMIcat						
	4	.9522798	.1111181	-0.42	0.676	.7549114	1.201249
	5	1.148912	.2109431	0.76	0.452	.7972104	1.655771
	6	.7250483	.1581834	-1.47	0.145	.4696476	1.119339
	_cons	.1187559	.0259063	-9.77	0.000	.0769272	.1833288
3							
	1.fsAny	.9816926	.0713807	-0.25	0.800	.8494158	1.134568
	ageNew						
	2	.8640344	.0744603	-1.70	0.094	.7278395	1.025714
	3	.9258309	.080112	-0.89	0.376	.7793485	1.099845
	4	.8987585	.0781611	-1.23	0.223	.7559034	1.068611
	eduNew						
	1	1.654189	.1223279	6.81	0.000	1.427774	1.916509
	2	2.811269	.2406229	12.08	0.000	2.370898	3.333435
	Race						
	1	.9025626	.0763179	-1.21	0.229	.7627512	1.068001
	2	1.053984	.0923049	0.60	0.550	.8853779	1.254699
	3	1.106291	.1454961	0.77	0.445	.8514925	1.437336
	1.Male	.4470555	.0261717	-13.75	0.000	.3978826	.5023054
	BMIcat						
	4	1.647279	.1035596	7.94	0.000	1.453525	1.866862
	5	2.187975	.1815323	9.44	0.000	1.854903	2.580854
	6	2.811907	.2790423	10.42	0.000	2.307901	3.425978

	<u>_cons</u>	.9280465	.0929447	-0.75	0.458	.7603178	1.132777
4							
	1.fsAny	.9623182	.0989452	-0.37	0.710	.7842185	1.180865
	ageNew						
2		.9518817	.1434293	-0.33	0.744	.7052274	1.284804
3		1.03927	.1448858	0.28	0.783	.7874366	1.371643
4		1.244432	.1577258	1.73	0.088	.9669574	1.60153
	eduNew						
1		1.689003	.2452308	3.61	0.001	1.265085	2.254971
2		3.418616	.4630935	9.07	0.000	2.610664	4.476613
	Race						
1		1.064655	.1139995	0.59	0.560	.860295	1.317559
2		.9548594	.1208125	-0.37	0.716	.7422786	1.228321
3		.8832145	.1604813	-0.68	0.496	.6151711	1.26805
	1.Male						
		1.073118	.0938261	0.81	0.422	.9017097	1.277111
	BMIcat						
4		1.065027	.1091341	0.61	0.540	.8685214	1.305992
5		.9308265	.1747791	-0.38	0.704	.6405524	1.352642
6		.8536512	.1848571	-0.73	0.467	.5547365	1.313633
	<u>_cons</u>						
		.1032212	.018159	-12.91	0.000	.0727266	.1465023
5		(base outcome)					

Note: _cons estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

124 .
125 . //and depression
126 . svy, subpop(if BMIcat>2): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	20,949
Number of PSUs	=	154	Population size	=	177,569,925
			Subpop. no. obs	=	14,021
			Subpop. size	=	116,978,150
			Design df	=	79
			F(56, 24)	=	27.45
			Prob > F	=	0.0000

			Linearized				
			RRR	Std. Err.	t	P> t	[95% Conf. Inte
> _____							
> rval]							
> _____							
1		1.fsAny	1.0862	.0957484	0.94	0.351	.9114004 1.2
> 94524							
		ageNew	2	.8581607	.0884316	-1.48	0.142 .6990203 1.0
> 53531			3	.795571	.0757904	-2.40	0.019 .658154 .96
> 16795			4	.8429223	.0843206	-1.71	0.092 .6907395 1.0
> 28634							

	eduNew						
> 75872	1	1.460858	.1433137	3.86	0.000	1.201722	1.7
> 99641	2	2.741078	.2965183	9.32	0.000	2.210089	3.3
	Race						
> 96894	1	1.027107	.0789422	0.35	0.729	.8814057	1.1
> 96646	2	.9219294	.080381	-0.93	0.354	.7750485	1.0
> 50599	3	.7695881	.1203456	-1.67	0.098	.5637413	1.0
	1.Male						
> 23883		.6150321	.036607	-8.17	0.000	.5463184	.69
	BMIcat						
> 88225	4	1.646584	.1132781	7.25	0.000	1.435866	1.8
> 90129	5	2.095194	.2232211	6.94	0.000	1.694833	2.5
> 58288	6	2.733817	.3620191	7.59	0.000	2.10038	3.5
	1.depressionBinary						
> 72945		1.437069	.1337095	3.90	0.000	1.194118	1.
> 93243	_cons	.3915413	.0555583	-6.61	0.000	.2952001	.51
> —							
2	1.fsAny						
> 40494		1.989606	.2443181	5.60	0.000	1.558175	2.5
	ageNew						
> 34049	2	.9935497	.1831776	-0.04	0.972	.6883594	1.4
> 15197	3	1.248636	.2347045	1.18	0.241	.8589106	1.8
> 56623	4	1.180336	.2010161	0.97	0.333	.8409843	1.6
	eduNew						
> 73276	1	1.08823	.1656231	0.56	0.580	.8038163	1.4
> 26185	2	.8867563	.144385	-0.74	0.463	.6412873	1.2
	Race						
> 72253	1	1.752357	.2287319	4.30	0.000	1.351415	2.2
> 42823	2	.8501095	.1263735	-1.09	0.278	.6323695	1.1
> 28416	3	1.115524	.3067697	0.40	0.692	.6452931	1.9
	1.Male						
> 70128		.7684093	.076582	-2.64	0.010	.6301439	.93
	BMIcat						
> 74561	4	.9281827	.1097812	-0.63	0.530	.7334851	1.1
> 44842	5	1.139554	.2101158	0.71	0.481	.7894877	1.6
	6	.6904079	.1503164	-1.70	0.093	.4476087	1.

> 06491

1.depressionBinary		2.294247	.3762199	5.06	0.000	1.655334	3.1
> 79764	_cons	.1077414	.0237886	-10.09	0.000	.0694256	.16
> 72037							

> ———

3

1.fsAny		.9710902	.0706423	-0.40	0.688	.8401861	1.
> 12239							

ageNew							
> 23285	2	.8617648	.074377	-1.72	0.089	.7257394	1.0
> 96891	3	.9228925	.0800844	-0.92	0.358	.7764953	1.0
> 65127	4	.8948543	.0783106	-1.27	0.208	.7518015	1.0

eduNew							
> 20374	1	1.6582	.1222852	6.86	0.000	1.431819	1.9
> 51818	2	2.827647	.2415852	12.17	0.000	2.385449	3.3

Race							
> 70509	1	.9041168	.0767332	-1.19	0.239	.7635871	1.0
> 63877	2	1.059383	.0939376	0.65	0.517	.8879759	1.2

> 37804	3	1.105902	.1458213	0.76	0.447	.8506159	1.4

1.Male							
> 53289		.4496025	.0263931	-13.62	0.000	.4000214	.50

BMIcat							
> 62627	4	1.6441	.1030795	7.93	0.000	1.451212	1.8
> 81263	5	2.186712	.1822359	9.39	0.000	1.852468	2.5

> 07039	6	2.798764	.2765309	10.42	0.000	2.299087	3.4

1.depressionBinary							
> 85124		1.134519	.1137576	1.26	0.212	.9292545	1.3
> 21027	_cons	.9182217	.0920604	-0.85	0.397	.7521062	1.1

> 99835	1.fsAny	.9784536	.1002643	-0.21	0.832	.7979195	1.1

ageNew							
> 88265	2	.9542006	.1439021	-0.31	0.757	.7067635	1.2
> 74709	3	1.042513	.1448752	0.30	0.765	.7905924	1.3

> 12898	4	1.249802	.1601443	1.74	0.086	.9684458	1.6

eduNew							
> 25186	1	1.684741	.2455821	3.58	0.001	1.260447	2.
> 25186	2	3.393798	.4577571	9.06	0.000	2.594715	4.4

> 38971

	Race						
> 15354	1	1.063121	.1137106	0.57	0.569	.8592563	1.3
> 22617	2	.9533194	.1205513	-0.38	0.706	.7411842	1.
> 71877	3	.8848411	.1612984	-0.67	0.504	.6155815	1.2
> 72372	1.Male	1.066934	.0943908	0.73	0.466	.8946665	1.2
	BMIcat						
> 09163	4	1.067341	.109508	0.64	0.527	.8701864	1.3
> 54056	5	.9326593	.174691	-0.37	0.711	.6424059	1.3
> 21435	6	.8597726	.1856539	-0.70	0.486	.5593988	1.3
1.depressionBinary		.807103	.1835397	-0.94	0.349	.513275	1.2
> 69135	_cons	.1045807	.0183526	-12.87	0.000	.0737485	.14
> 83029							
> 5		(base outcome)					

> _____

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

127 .
128 . //look for interactions
129 . svy, subpop(if BMIcat >2): mlogit doingAbtWt i.fsAny##i.Race i.ageNew i.eduNe
> w i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	20,949
Number of PSUs	=	154	Population size	=	177,569,925
			Subpop. no. obs	=	14,021
			Subpop. size	=	116,978,150
			Design df	=	79
			F(68, 12)	=	15.98
			Prob > F	=	0.0000

	doingAbtWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte
> rval]						
> 1	1.fsAny	1.129468	.1771852	0.78	0.440	.8265411 1.5
> 43416						
> 89426	Race					
	1	.9860554	.0928928	-0.15	0.882	.8174577 1.1
> 02758	2	.989702	.0969434	-0.11	0.916	.8143865 1.2
> 49231	3	.7893621	.1489626	-1.25	0.214	.5421821 1.1

	fsAny#Race						
> 10208	1 1	1.090745	.2134433	0.44	0.658	.7388635	1.6
> 84388	1 2	.8353151	.1465341	-1.03	0.308	.5891241	1.1
> 79411	1 3	.8871962	.3138797	-0.34	0.736	.4387229	1.
	ageNew						
> 51542	2	.8566527	.0882197	-1.50	0.137	.6978836	1.0
> 00743	3	.7943483	.0756211	-2.42	0.018	.6572296	.96
> 29701	4	.8433267	.0845973	-1.70	0.093	.6906857	1.0
	eduNew						
> 67685	1	1.453923	.1427339	3.81	0.000	1.195853	1.7
> 86846	2	2.729674	.2958311	9.27	0.000	2.200017	3.3
> 32709	1.Male	.6157364	.0366889	-8.14	0.000	.5468732	.69
	BMIcat						
> 88921	4	1.647607	.1132658	7.26	0.000	1.436901	1.
> 86943	5	2.093816	.2224712	6.96	0.000	1.69469	2.5
> 48889	6	2.725994	.3612857	7.57	0.000	2.093907	3.5
1.depressionBinary		1.429368	.1353628	3.77	0.000	1.183806	1.7
> 25869	_cons	.3909351	.0565576	-6.49	0.000	.2931189	.52
> —————							
2	1.fsAny	2.876105	.4963568	6.12	0.000	2.039952	4.0
> 54989	Race						
> 35858	1	2.218869	.3121346	5.67	0.000	1.676981	2.9
> 44689	2	1.249312	.2446074	1.14	0.259	.8460941	1.8
> 13047	3	1.542124	.4927784	1.36	0.179	.8163774	2.9
	fsAny#Race						
> 44217	1 1	.5498985	.121749	-2.70	0.008	.35391	.85
> 42159	1 2	.4372051	.1108552	-3.26	0.002	.2639383	.72
> 38743	1 3	.3834499	.1919817	-1.91	0.059	.1415497	1.0
	ageNew						
> 28885	2	.9887035	.1829211	-0.06	0.951	.6841241	1.4
> 04802	3	1.243373	.2327661	1.16	0.248	.8565905	1.8
> 95514	4	1.206433	.2062703	1.10	0.276	.8584307	1.6

	eduNew						
> 47056	1	1.081996	.1667939	0.51	0.611	.7961019	1.
> 32353	2	.8900238	.1455161	-0.71	0.478	.6427886	1.2
> 89922	1.Male	.77014	.0767005	-2.62	0.010	.6316513	.93
> 75914	BMIcat						
	4	.9277537	.1104824	-0.63	0.531	.7319644	1.1
> 28179	5	1.128865	.207715	0.66	0.512	.7826758	1.6
> 53753	6	.6832013	.1487339	-1.75	0.084	.4429539	1.0
1.depressionBinary		2.220256	.3680729	4.81	0.000	1.596234	3.0
> 88231	_cons	.0960899	.0218786	-10.29	0.000	.0610737	.15
> 11825							
> 3							
> 06428	1.fsAny	1.042386	.1182416	0.37	0.715	.8317098	1.3
> 09523	Race						
	1	.9125604	.0836546	-1.00	0.321	.7603579	1.
> 72615	2	1.123448	.1130615	1.16	0.251	.919512	1.3
> 51138	3	1.148704	.173337	0.92	0.361	.8506787	1.5
> 90679	fsAny#Race						
	1 1	.9369122	.1507826	-0.40	0.687	.6801104	1.2
> 08089	1 2	.8430896	.1157689	-1.24	0.218	.6414649	1.1
> 89513	1 3	.8344043	.270162	-0.56	0.578	.4380152	1.5
> 23233	ageNew						
	2	.8610286	.0746608	-1.73	0.088	.7245373	1.0
> 96079	3	.9220106	.0801078	-0.93	0.353	.775586	1.0
> 06685	4	.896933	.0781751	-1.25	0.216	.7540788	1.
> 91412	eduNew						
	1	1.65343	.1216168	6.84	0.000	1.428244	1.
> 45878	2	2.823358	.2408565	12.17	0.000	2.382438	3.3
> 59099	1.Male	.4499467	.0265	-13.56	0.000	.4001742	.50
> 62798	BMIcat						
	4	1.644187	.103117	7.93	0.000	1.451232	1.8
> 76982	5	2.183285	.1818502	9.37	0.000	1.849734	2.5
	6	2.791511	.2758741	10.39	0.000	2.293032	3.3

> 98355

1.depressionBinary		1.126345	.1118876	1.20	0.235	.9242733	1.3
> 72594	_cons	.9095792	.0914182	-0.94	0.349	.7446616	1.1
> 11021							
> _____							
4	1.fsAny	.9608521	.1553035	-0.25	0.805	.6965239	1.3
> 25492	Race						
> 10621	1	.956496	.1132215	-0.38	0.708	.7557153	1.2
> 57126	2	1.046322	.1367205	0.35	0.730	.8066979	1.3
> 37222	3	.8678274	.1885056	-0.65	0.516	.5632006	1.3
	fsAny#Race						
> 14252	1 1	1.396577	.3233787	1.44	0.153	.8808511	2.2
> 20513	1 2	.8109643	.1986421	-0.86	0.395	.4980359	1.3
> 92771	1 3	1.13976	.5402059	0.28	0.783	.4437097	2.
	ageNew						
> 84068	2	.950976	.1434739	-0.33	0.740	.7042893	1.2
> 37186	3	1.040569	.1444965	0.29	0.775	.7892817	1.
> 08409	4	1.246974	.1594546	1.73	0.088	.96676	1.6
	eduNew						
> 29281	1	1.668513	.2428822	3.52	0.001	1.248805	2.2
> 39995	2	3.361447	.4546581	8.96	0.000	2.568058	4.
	1.Male						
> 76428		1.069493	.0950402	0.76	0.452	.8961069	1.2
	BMIcat						
> 10878	4	1.068788	.1096317	0.65	0.519	.8714063	1.3
> 55021	5	.9332286	.1748456	-0.37	0.713	.6427322	1.3
> 13178	6	.8553772	.184214	-0.73	0.470	.5571749	1.3
	1.depressionBinary						
> 59453		.8042304	.1812329	-0.97	0.337	.5135457	1.2
> 03813	_cons	.1056089	.0187523	-12.66	0.000	.0741665	.15
> _____							
5		(base outcome)					

> _____

Note: cons estimates baseline relative risk for each outcome.
Note: 3 strata omitted because they contain no subpopulation members.

130 . mlogtest, wald

Wald tests for independent variables (N=20949)

Ho: All coefficients associated with given variable(s) are 0

	F	df	df_r	P>F
1.fsAny	10.086	4	4	0.000
1.Race	8.802	4	4	0.000
2.Race	0.842	4	4	0.503
3.Race	1.480	4	4	0.217
1.fsAny#1.Race	2.986	4	4	0.024
1.fsAny#2.Race	2.662	4	4	0.039
1.fsAny#3.Race	1.040	4	4	0.392
2.ageNew	0.956	4	4	0.437
3.ageNew	2.465	4	4	0.052
4.ageNew	3.674	4	4	0.009
1.eduNew	13.489	4	4	0.000
2.eduNew	53.555	4	4	0.000
1.Male	60.203	4	4	0.000
4.BMICat	26.601	4	4	0.000
5.BMICat	29.717	4	4	0.000
6.BMICat	34.592	4	4	0.000
1.depressionBi~y	8.822	4	4	0.000

131 . svy, subpop(if BMICat >2): mlogit doingAbtWt i.fsAny##i.Male i.ageNew i.eduNe
> w i.Race i.BMICat i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	20,949
Number of PSUs	=	154	Population size	=	177,569,925
			Subpop. no. obs	=	14,021
			Subpop. size	=	116,978,150
			Design df	=	79
			F(60, 20)	=	25.63
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> _____							
	doingAbtWt						
> rval]							
> _____							
1							
> 85559	1.fsAny	1.12521	.1176593	1.13	0.263	.9137805	1.3
> 11748	1.Male	.6238207	.0454498	-6.48	0.000	.5396087	.72
> 53992	fsAny#Male						
	1 1	.9462771	.133852	-0.39	0.697	.714072	1.2
> 53169	ageNew						
	2	.857652	.0884864	-1.49	0.141	.6984322	1.0
> 12474							
	3	.7947515	.0759444	-2.40	0.019	.6570941	.96
> 28207							
	4	.8425572	.084292	-1.71	0.091	.6904275	1.0
	eduNew						
	1	1.46043	.1433203	3.86	0.000	1.201291	1.7

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> 75469								
> 98348	2		2.73913	.2967625	9.30	0.000	2.207788	3.3
	Race							
> 96154	1		1.026874	.0787227	0.35	0.730	.8815498	1.1
> 98334	2		.9225758	.0808254	-0.92	0.360	.7749429	1.0
> 50274	3		.7694187	.1202848	-1.68	0.098	.5636672	1.0
	BMIcat							
> 88312	4		1.645736	.1136836	7.21	0.000	1.434321	1.8
> 88817	5		2.093979	.2231687	6.93	0.000	1.693726	2.5
> 56188	6		2.730512	.3624313	7.57	0.000	2.096542	3.5
1.depressionBinary			1.435351	.1337013	3.88	0.000	1.19244	1.7
> 27746	_cons		.3882359	.0549673	-6.68	0.000	.2928911	.51
> 46183								
> 2								
> 50696	1.fsAny		2.141708	.344788	4.73	0.000	1.554519	2.9
> 42746	1.Male		.8032508	.1053052	-1.67	0.099	.6187623	1.0
> 35868	fsAny#Male							
> 35868	1 1		.875915	.1857346	-0.62	0.534	.5743284	1.3
	ageNew							
> 33093	2		.9920843	.1833108	-0.04	0.966	.6867881	1.4
> 07883	3		1.245169	.2332661	1.17	0.245	.8576038	1.8
> 65488	4		1.178675	.2009438	0.96	0.338	.8395023	1.
	eduNew							
> 72035	1		1.087389	.1654569	0.55	0.583	.8032519	1.4
> 23446	2		.8845644	.1441341	-0.75	0.454	.6395496	1.2
	Race							
> 27144	1		1.751421	.228765	4.29	0.000	1.350455	2.
> 46418	2		.8517385	.1271406	-1.08	0.286	.6328043	1.1
> 25947	3		1.114308	.3063285	0.39	0.695	.6447129	1.9
	BMIcat							
> 73156	4		.9265114	.1098654	-0.64	0.522	.7317212	1.1
> 44355	5		1.137638	.2105549	0.70	0.488	.7870687	1.6
> 61255	6		.6880708	.1497911	-1.72	0.090	.4461147	1.0
1.depressionBinary			2.289129	.3764463	5.04	0.000	1.650111	3.1

> 75611	_cons	.1053137	.0237408	-9.98	0.000	.0672378	.16
> 49513							
> —							
3	1.fsAny	1.022662	.0809185	0.28	0.778	.873641	1.1
> 97103	1.Male	.4602391	.0311134	-11.48	0.000	.4022953	.52
> 65287	fsAny#Male						
	1 1	.9077609	.1192733	-0.74	0.464	.6988598	1.1
> 79106	ageNew						
	2	.8609642	.0744334	-1.73	0.087	.7248549	1.0
> 22631	3	.9214536	.0801273	-0.94	0.350	.7750038	1.0
> 95578	4	.8942444	.0782373	-1.28	0.205	.7513224	1.0
> 64354	eduNew						
	1	1.657789	.1224842	6.84	0.000	1.43107	1.9
> 20427	2	2.824236	.2416762	12.13	0.000	2.381929	3.3
> 48676	Race						
	1	.9035273	.0767734	-1.19	0.236	.7629377	1.0
> 70024	2	1.060574	.0945602	0.66	0.511	.8881127	1.2
> 66526	3	1.105444	.1456708	0.76	0.449	.8504023	1.4
> 36975	BMIcat						
	4	1.643025	.1032863	7.90	0.000	1.449781	1.8
> 62027	5	2.184794	.182222	9.37	0.000	1.850598	2.5
> 79343	6	2.794226	.2750607	10.44	0.000	2.29703	3.3
> 99039	1.depressionBinary						
> 81653	_cons	.131992	.113345	1.24	0.219	.9274446	1.3
> 03212							
> —							
4	1.fsAny	1.132261	.1766105	0.80	0.428	.8300618	1.
> 54448	1.Male	1.125341	.1102268	1.21	0.232	.9260032	1.
> 36759	fsAny#Male						
	1 1	.7784905	.1468034	-1.33	0.188	.5348621	1.1
> 33091	ageNew						
	2	.9522132	.1439018	-0.32	0.747	.7048501	1.2
> 86387	3	1.039142	.1444476	0.28	0.783	.7879739	1.
> 37037	4	1.247785	.1598902	1.73	0.088	.9668763	1.6

> 10307

	eduNew						
> 47141	1	1.680986	.2451473	3.56	0.001	1.257471	2.2
> 17871	2	3.379103	.4550528	9.04	0.000	2.58458	4.4
	Race						
> 12085	1	1.060612	.1133754	0.55	0.584	.8573358	1.3
> 28498	2	.9560899	.1204187	-0.36	0.722	.7440859	1.2
> 70513	3	.8836771	.1611942	-0.68	0.500	.6146221	1.2
	BMIcat						
> 08645	4	1.066434	.1096581	0.63	0.533	.8690524	1.3
> 51314	5	.9304191	.1744479	-0.38	0.702	.6406209	1.3
> 15785	6	.8565228	.184738	-0.72	0.475	.5575617	1.3
1.depressionBinary		.8015762	.183528	-0.97	0.337	.5081866	1.2
> 64347	_cons	.1015873	.0177159	-13.11	0.000	.0717942	.14
> 37441							
> 5		(base outcome)					

> _____

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

132 . svy, subpop(if BMIcat >2): mlogit doingAbtWt i.fsAny##i.Race##i.Male i.ageNew
 > i.eduNew i.BMIcat i.depressionBinary, rrr baseoutcome(5)
 (running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	20,949
Number of PSUs	=	154	Population size	=	177,569,925
			Subpop. no. obs	=	14,021
			Subpop. size	=	116,978,150
			Design df	=	79
			F(79, 1)	=	.
			Prob > F	=	.

> _____

	doingAbtWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte
> rval]						
> 1	1.fsAny	1.144229	.1939237	0.79	0.429	.8165967 1.6
> 03313						
> 45864	Race					
	1	.7907365	.111089	-1.67	0.099	.5978444 1.0
> 79456	2	.8269958	.1106897	-1.42	0.160	.6335803 1.0
	3	.6587226	.17769	-1.55	0.126	.3850525 1.1

> 26899

	fsAny#Race						
> 37818	1 1	1.111153	.2808967	0.42	0.678	.671808	1.8
> 35342	1 2	.9733658	.222869	-0.12	0.906	.6170881	1.5
> 51824	1 3	1.200595	.654233	0.34	0.738	.4058278	3.5
> 35876	1.Male	.5616394	.0512861	-6.32	0.000	.4682967	.67
> 51414	fsAny#Male						
> 77976	1 1	.9693988	.2290215	-0.13	0.896	.6057274	1.5
> 89688	Race#Male						
> 96159	1 1	1.560553	.2965535	2.34	0.022	1.069074	2.2
> 87848	2 1	1.374627	.222396	1.97	0.053	.9961621	1.
> 87535	3 1	1.321333	.5357724	0.69	0.494	.5895216	2.
> 58696	fsAny#Race#Male						
> 87848	1 1 1	1.005088	.3691519	0.01	0.989	.4838488	2.0
> 87535	1 2 1	.7894791	.2512681	-0.74	0.460	.4190001	1.4
> 58696	1 3 1	.6420993	.4583513	-0.62	0.537	.1550728	2.6
> 50362	ageNew						
> 16663	2	.8555585	.0881739	-1.51	0.134	.6968838	1.0
> 30398	3	.795904	.0756494	-2.40	0.019	.6587141	.96
> 61563	4	.8442113	.0845283	-1.69	0.095	.6916674	1.0
> 87035	eduNew						
> 94596	1	1.450299	.1416686	3.81	0.000	1.194035	1.7
> 87774	2	2.729874	.2958287	9.27	0.000	2.200217	3.3
> 69199	BMIcat						
> 17264	4	1.651526	.1139265	7.27	0.000	1.43964	1.8
> 54047	5	2.094488	.2225431	6.96	0.000	1.695233	2.5
> 17264	6	2.742778	.3629154	7.63	0.000	2.107709	3.5
> 17264	1.depressionBinary						
> 17264	1	1.421816	.1348612	3.71	0.000	1.1772	1.7
> 17264	_cons						
> 17264	1	.411241	.0615834	-5.93	0.000	.3052433	.5
> 23335	1.fsAny						
> 23335	1	3.076916	.7881891	4.39	0.000	1.8479	5.1
> 23335	Race						
> 23335	1	2.135878	.4759567	3.41	0.001	1.370709	3.3

> 28186								
> 63784	2		1.27459	.3678269	0.84	0.403	.7176392	2.2
> 45756	3		1.381399	.6367339	0.70	0.485	.5519103	3.
	fsAny#Race							
> 65899	1 1		.5227598	.187114	-1.81	0.074	.2563825	1.0
> 26005	1 2		.4390775	.1463882	-2.47	0.016	.2261188	.85
> 94631	1 3		.6314187	.4228645	-0.69	0.494	.1664931	2.3
> 79584	1.Male		.8082851	.1534996	-1.12	0.266	.5538606	1.1
	fsAny#Male							
> 22271	1 1		.891785	.3441052	-0.30	0.767	.4137193	1.9
	Race#Male							
> 08308	1 1		1.074698	.337591	0.23	0.819	.5750987	2.0
> 69383	2 1		.9529439	.3225907	-0.14	0.887	.4857764	1.8
> 13266	3 1		1.175521	.6949801	0.27	0.785	.3623797	3.8
	fsAny#Race#Male							
> 46795	1 1 1		1.088506	.5976473	0.15	0.878	.3649276	3.2
> 01932	1 2 1		1.012198	.5356075	0.02	0.982	.3530559	2.9
> 59366	1 3 1		.368011	.3854214	-0.95	0.343	.0457639	2.9
	ageNew							
> 25925	2		.9858716	.1827907	-0.08	0.939	.6816227	1.4
> .7999	3		1.240058	.2321143	1.15	0.254	.8543492	1
> 96752	4		1.205333	.2070766	1.09	0.280	.8562401	1.6
	eduNew							
> 47408	1		1.083388	.1676101	0.52	0.606	.7962452	1.
> 22785	2		.887926	.1445928	-0.73	0.468	.6421082	1.
	BMIcat							
> 78339	4		.929027	.1109554	-0.62	0.539	.7324644	1.1
> 33183	5		1.129198	.2093499	0.66	0.514	.7807376	1.6
> 54927	6		.6824745	.1493224	-1.75	0.085	.4415201	1.0
	1.depressionBinary							
> 74632			2.203598	.3687633	4.72	0.000	1.579325	3.0
> 21057	_cons		.093762	.0227906	-9.74	0.000	.0577974	.15
> —								
3	1.fsAny		1.066238	.1227519	0.56	0.579	.8478799	1.3

> 40831

	Race						
> 84542	1	.8588297	.1006813	-1.30	0.198	.6800923	1.0
> 15978	2	1.04111	.1225472	0.34	0.733	.8236538	1.3
> 79311	3	.8145289	.151442	-1.10	0.273	.5625803	1.1
	fsAny#Race						
> 73538	1 1	.8116558	.1503473	-1.13	0.263	.561367	1.1
> 57205	1 2	.9811298	.1599412	-0.12	0.907	.7092633	1.3
> 38918	1 3	1.520514	.6234289	1.02	0.310	.6722938	3.4
	1.Male	.4341118	.0389018	-9.31	0.000	.3631926	.51
> 88792	fsAny#Male						
> 15283	1 1	.9615416	.219713	-0.17	0.864	.6101583	1.5
	Race#Male						
> 36784	1 1	1.098448	.1853108	0.56	0.579	.7851385	1.5
> 68301	2 1	1.126711	.1498941	0.90	0.373	.8645896	1.4
> 99422	3 1	1.799536	.4603194	2.30	0.024	1.081527	2.
	fsAny#Race#Male						
> 58063	1 1 1	1.495622	.4866073	1.24	0.220	.7826581	2.8
> 39843	1 2 1	.7493981	.1895548	-1.14	0.258	.4529584	1.2
> 93687	1 3 1	.3280455	.1548383	-2.36	0.021	.1282081	.83
	ageNew						
> 22984	2	.8605729	.0747451	-1.73	0.088	.7239466	1.0
> 98841	3	.9242671	.0803372	-0.91	0.368	.7774282	1.0
> 70897	4	.8993747	.0788707	-1.21	0.230	.7553243	1.0
	eduNew						
> 12924	1	1.651918	.1217463	6.81	0.000	1.426524	1.9
> 33214	2	2.816755	.2382399	12.24	0.000	2.380318	3.3
	BMIcat						
> 67714	4	1.646703	.1041904	7.88	0.000	1.451845	1.8
> 75895	5	2.18069	.1824746	9.32	0.000	1.846118	2.5
> 22949	6	2.804992	.2805792	10.31	0.000	2.298597	3.4
1.depressionBinary		1.116815	.1108588	1.11	0.269	.9165876	1.3
> 60782	_cons	.9301705	.0914221	-0.74	0.464	.764893	1.1
> 31161							

>	4							
>	68497	1.fsAny		1.156147	.3091138	0.54	0.589	.6790334 1.9
>	29931	Race	1	1.156273	.2340372	0.72	0.475	.7728435 1.7
>	18192		2	.9115762	.202408	-0.42	0.678	.5859369 1.4
>	72454		3	.8587528	.3587622	-0.36	0.716	.3738776 1.9
>	39206	fsAny#Race	1 1	.9036592	.3226274	-0.28	0.777	.4439958 1.8
>	51447		1 2	.9394109	.3686224	-0.16	0.874	.4301808 2.0
>	99992		1 3	1.320455	1.115909	0.33	0.743	.245578 7.0
>	87219	1.Male		1.1304	.1557989	0.89	0.377	.85919 1.4
>	88618	fsAny#Male	1 1	.7352368	.2605662	-0.87	0.388	.3631376 1.4
>	55765	Race#Male	1 1	.71345	.2026557	-1.19	0.238	.4053393 1.2
>	88471		2 1	1.236633	.3255771	0.81	0.422	.7322397 2.0
>	61704		3 1	1.037069	.5288474	0.07	0.943	.3758292 2.8
>	78299	fsAny#Race#Male	1 1 1	2.254678	1.085467	1.69	0.095	.8648034 5.8
>	70616		1 2 1	.8057621	.4011616	-0.43	0.666	.2991098 2.1
>	93407		1 3 1	.7646017	.6887627	-0.30	0.767	.1272728 4.5
>	81812	ageNew	2	.9490666	.1433058	-0.35	0.730	.7026984 1.2
>	36878		3	1.03775	.1443475	0.27	0.791	.7867771 1.
>	.6093		4	1.24727	.159691	1.73	0.088	.9666829 1
>	22167	eduNew	1	1.661919	.2423732	3.48	0.001	1.243198 2.
>	75104		2	3.344387	.4513848	8.94	0.000	2.556494 4.3
>	12113	BMIcat	4	1.069176	.1099822	0.65	0.517	.8712194 1.3
>	51116		5	.9298312	.1745645	-0.39	0.699	.6399054 1.3
>	12595		6	.8544806	.1842802	-0.73	0.468	.5562549 1.3

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	.7962858	.1809222	-1.00	0.319	.5065955	1.2
> 51632						
	_cons	.1022008	.0184301	-12.65	0.000	.0713786 .14
> 63324						
> _____						
5		(base outcome)				

> _____

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

133 .
end of do-file

134 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

135 .

136 . //////////////what they would like to weigh
> svy, subpop(if BMIcat >2): mlogit LikeToWeigh i.fsAny, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,731
Number of PSUs	=	154	Population size	=	191,375,435
			Subpop. no. obs	=	15,803
			Subpop. size	=	130,783,660
			Design df	=	79
			F(2, 78)	=	24.81
			Prob > F	=	0.0000

LikeToWeigh	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	.8114787	.053491	-3.17	0.002	.7116966	.9252505
_cons	5.376894	.2075319	43.58	0.000	4.979281	5.806258
0		(base outcome)				
1						
1.fsAny	2.051154	.2739509	5.38	0.000	1.57233	2.675793
_cons	.0696877	.0070029	-26.51	0.000	.0570544	.0851183

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

137 .
138 . //model 2
139 . svy, subpop(if BMIcat >2): mlogit LikeToWeigh i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,433
Number of PSUs	=	154	Population size	=	189,844,955
			Subpop. no. obs	=	15,505
			Subpop. size	=	129,253,180
			Design df	=	79
			F(20, 60)	=	44.81
			Prob > F	=	0.0000

LikeToWeigh	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.033081	.076419	0.44	0.661	.8916412	1.196958
ageNew						
2	1.232309	.11414	2.26	0.027	1.024832	1.48179
3	1.381862	.1236065	3.62	0.001	1.156488	1.651156
4	1.424042	.106032	4.75	0.000	1.227885	1.651535
eduNew						
1	1.790102	.1336824	7.80	0.000	1.542846	2.076984
2	2.329187	.1896767	10.38	0.000	1.980655	2.73905
Race						
1	.4884561	.0340029	-10.29	0.000	.4252547	.5610505
2	.685857	.036268	-7.13	0.000	.6173366	.7619826
3	.7341531	.083844	-2.71	0.008	.5848751	.9215316
1.Male	.2747544	.0132038	-26.88	0.000	.2496908	.3023339
_cons	5.891799	.5288817	19.76	0.000	4.927773	7.044419
0	(base outcome)					
1						
1.fsAny	2.046842	.2849906	5.14	0.000	1.551402	2.7005
ageNew						
2	.7547826	.1581059	-1.34	0.183	.4974455	1.145245
3	.5613148	.1379081	-2.35	0.021	.3442104	.915354
4	.3973905	.0939026	-3.91	0.000	.2482857	.6360384
eduNew						
1	.9264604	.2139439	-0.33	0.742	.5850658	1.467064
2	1.283915	.232056	1.38	0.171	.8959762	1.839824
Race						
1	1.557354	.2441797	2.83	0.006	1.139856	2.127768
2	.7960861	.1733682	-1.05	0.298	.5160665	1.228046
3	.6507437	.2165392	-1.29	0.200	.3355532	1.261998
1.Male	1.398805	.1979141	2.37	0.020	1.055477	1.85381
_cons	.0694752	.0184121	-10.06	0.000	.0409957	.1177392

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

140 .
141 . //also adjust for bmicat (degree of obesity here)
142 . svy, subpop(if BMIcat >2): mlogit LikeToWeigh i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male i.BMICat, rrr baseoutcome(0)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata =	75	Number of obs =	22,206
Number of PSUs =	154	Population size =	188,145,157
		Subpop. no. obs =	15,278
		Subpop. size =	127,553,383
		Design df =	79
		F(26 , 54) =	52.79
		Prob > F =	0.0000

LikeToWeigh	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	.9211754	.0707018	-1.07	0.288	.7906695	1.073222
ageNew						
2	1.222618	.1143137	2.15	0.035	1.015001	1.472704
3	1.416497	.1324854	3.72	0.000	1.175884	1.706347
4	1.408518	.1042053	4.63	0.000	1.215652	1.631984
eduNew						
1	1.839492	.1370709	8.18	0.000	1.585928	2.133597
2	2.668423	.2464728	10.63	0.000	2.220288	3.207008
Race						
1	.351012	.0270634	-13.58	0.000	.3010736	.4092336
2	.6903629	.0412214	-6.21	0.000	.613002	.7774868
3	.8480252	.1072502	-1.30	0.196	.659299	1.090775
1.Male	.2896118	.0142211	-25.24	0.000	.2626448	.3193477
BMIcat						
4	4.365452	.2563406	25.10	0.000	3.883908	4.9067
5	14.03086	1.954158	18.96	0.000	10.6338	18.51314
6	19.92944	4.357997	13.68	0.000	12.89634	30.79808
_cons	2.788725	.2759742	10.36	0.000	2.290129	3.395873
0	(base outcome)					
1						
1.fsAny	1.971118	.2913108	4.59	0.000	1.468781	2.645259
ageNew						
2	.7865193	.1664919	-1.13	0.260	.5160868	1.19866
3	.4890113	.1302192	-2.69	0.009	.2878234	.8308292
4	.3369819	.0852352	-4.30	0.000	.2036843	.557514
eduNew						
1	.9324782	.2187129	-0.30	0.766	.5846336	1.487283
2	1.300055	.2383392	1.43	0.156	.9025759	1.872578
Race						
1	1.868007	.2929559	3.98	0.000	1.36713	2.552391
2	.9051946	.2050787	-0.44	0.661	.5766286	1.420979
3	.6266304	.2104127	-1.39	0.168	.3211778	1.222581
1.Male	1.632911	.2254685	3.55	0.001	1.240516	2.149426
BMIcat						
4	.5588511	.1302884	-2.50	0.015	.351369	.8888506
5	.4357251	.2580516	-1.40	0.165	.1340479	1.416332
6	.6374266	.4054696	-0.71	0.481	.179703	2.261023
_cons	.0610962	.0163238	-10.46	0.000	.0358964	.1039867

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

143 .
144 . //and depression
145 . svy, subpop(if BMIcat >2): mlogit LikeToWeigh i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,206
Number of PSUs	=	154	Population size	=	188,145,157
			Subpop. no. obs	=	15,278
			Subpop. size	=	127,553,383
			Design df	=	79
			F(28, 52)	=	52.19
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
>	LikeToWeigh						
> rval]							
> -1							
> 07209	1.fsAny	.9262048	.0680628	-1.04	0.300	.8001712	1.
> 72438	ageNew						
> 72438	2	1.223861	.1136945	2.17	0.033	1.017248	1.4
> 71003	3	1.418809	.1330761	3.73	0.000	1.177184	1.
> 35102	4	1.411609	.1042335	4.67	0.000	1.218664	1.6
> 31253	eduNew						
> 31253	1	1.836999	.1371225	8.15	0.000	1.583372	2.1
> 94161	2	2.660004	.2445539	10.64	0.000	2.215174	3.1
> 90076	Race						
> 90076	1	.3508686	.027027	-13.60	0.000	.3009939	.40
> 61903	2	.6888093	.0413307	-6.21	0.000	.6112655	.77
> 09118	3	.8484475	.1072497	-1.30	0.197	.6597107	1.
> 75431	1.Male	.2887176	.0138038	-25.98	0.000	.2625087	.31
> 10354	BMIcat						
> 10354	4	4.370805	.2555986	25.22	0.000	3.890542	4.9
> 52503	5	14.04057	1.95516	18.97	0.000	10.64169	18.
> 87109	6	19.98693	4.365417	13.71	0.000	12.94018	30.
> 45185	1.depressionBinary						
> 45185		.9343372	.1348154	-0.47	0.639	.7010895	1.2
> 28293	_cons	2.805964	.282387	10.25	0.000	2.296605	3.4
> 0		(base outcome)					

> —							
1							
> 33147	1.fsAny		1.953346	.2930691	4.46	0.000	1.44905 2.6
> 96409	ageNew	2	.7852802	.16611	-1.14	0.257	.51543 1.1
> 98386		3	.4873614	.1303153	-2.69	0.009	.2862257 .82
> 80919		4	.3353965	.0858034	-4.27	0.000	.2015632 .55
> 86987	eduNew	1	.9353073	.2178596	-0.29	0.775	.5883034 1.4
> 72013		2	1.309335	.2351632	1.50	0.137	.9157828 1.8
> 57754	Race	1	1.871414	.2937504	3.99	0.000	1.369245 2.5
> .4335		2	.9112039	.2074271	-0.41	0.684	.5792066 1
> 19301		3	.625117	.2098203	-1.40	0.166	.320488 1.2
> 14735	1.Male		1.644351	.2204822	3.71	0.000	1.259175 2.
> 88484	BMIcat	4	.5571624	.129476	-2.52	0.014	.3508317 .
> 14505		5	.4353366	.2577344	-1.40	0.164	.1339818 1.4
> 44243		6	.6331073	.4025154	-0.72	0.474	.1786014 2.2
> 73095	1.depressionBinary		1.149626	.3119846	0.51	0.609	.6698311 1.9
> 10757	_cons		.0601482	.0156851	-10.78	0.000	.035793 .10

> —

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

146 .
147 . //look for interactions
148 . svy, subpop(if BMIcat >2): mlogit LikeToWeigh i.fsAny##i.Race i.ageNew i.eduN
> ew i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata = 75	Number of obs = 22,206
Number of PSUs = 154	Population size = 188,145,157
	Subpop. no. obs = 15,278
	Subpop. size = 127,553,383
	Design df = 79
	F(34, 46) = 40.67
	Prob > F = 0.0000

			Linearized				
			RRR	Std. Err.	t	P> t	[95% Conf. Inte
> _____							
> rval]							
> _____							
-1		LikeToWeigh					
> 75861	1.fsAny		.9811726	.1294601	-0.14	0.886	.7545488 1.2
> 56644	Race	1	.3569371	.0315776	-11.64	0.000	.2993064 .42
> 30543		2	.6763519	.0497766	-5.31	0.000	.5841892 .78
> 27351		3	.9856466	.1473889	-0.10	0.923	.7319084 1.3
> 55586	fsAny#Race	1 1	.9209527	.1434088	-0.53	0.598	.6755046 1.2
> 82117		1 2	1.003834	.1612776	0.02	0.981	.7290873 1.3
> 99111		1 3	.5365896	.1333318	-2.51	0.014	.3272244 .87
> 73979	ageNew	2	1.224815	.1139471	2.18	0.032	1.01777 1.4
> 14293		3	1.420056	.134343	3.71	0.000	1.176321 1.7
> 39848		4	1.417174	.1039068	4.76	0.000	1.224736 1.6
> 36706	eduNew	1	1.840733	.1378865	8.15	0.000	1.585758 2.1
> 96365		2	2.659778	.2455685	10.60	0.000	2.21327 3.1
> 63294	1.Male		.2875913	.0137613	-26.04	0.000	.261464 .31
> 14489	BMIcat	4	4.375586	.2553256	25.30	0.000	3.895777 4.9
> 53399		5	14.04446	1.957161	18.96	0.000	10.64244 18.
> 95138		6	20.01615	4.383232	13.68	0.000	12.94437 30.
> 41568	1.depressionBinary		.9353592	.1330824	-0.47	0.640	.7046706 1.2
> 06118	_cons		2.781649	.2830342	10.05	0.000	2.271669 3.4
> _____							
0			(base outcome)				
> _____							
1							
> 76935	1.fsAny		2.506525	.8121089	2.84	0.006	1.315209 4.7
	Race	1	2.263199	.5191661	3.56	0.001	1.433588 3.5

> 72902		2		1.078206	.3541178	0.23	0.819	.5607779	2.0
> 73062		3		.5124381	.2650816	-1.29	0.200	.1830081	1.
> 43487									
	fsAny#Race								
> 69339	1	1		.6023797	.2485224	-1.23	0.223	.2649901	1.3
> 46154	1	2		.6777836	.3222465	-0.82	0.416	.2630871	1.7
> 54164	1	3		1.265844	1.04453	0.29	0.776	.244948	6.
	ageNew								
> 06514	2			.7887428	.1684318	-1.11	0.270	.5156304	1.2
> 38813	3			.4887976	.1311701	-2.67	0.009	.2865193	.83
> 30903	4			.3418244	.088742	-4.13	0.000	.2038839	.57
	eduNew								
> 98123	1			.9427901	.2193621	-0.25	0.801	.5933111	1.4
> 86147	2			1.327488	.2342572	1.61	0.112	.9342986	1.8
> 53091	1.Male			1.645941	.2221041	3.69	0.000	1.258247	2.1
	BMIcat								
> 57233	4			.5572164	.1297407	-2.51	0.014	.3505498	.88
> 16366	5			.4357731	.2580612	-1.40	0.165	.1340743	1.4
> .2484	6			.6347203	.4033196	-0.72	0.476	.1791807	2
	1.depressionBinary			1.12879	.3092852	0.44	0.660	.6542724	1.9
> 47456	_cons			.0551873	.016239	-9.85	0.000	.0307238	.09
> 91294									

> —

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```
149 . svy, subpop(if BMIcat >2): mlogit LikeToWeigh i.fsAny##i.Male i.ageNew i.eduN
> ew i.Race i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,206
Number of PSUs	=	154	Population size	=	188,145,157
			Subpop. no. obs	=	15,278
			Subpop. size	=	127,553,383
			Design df	=	79
			F(30, 50)	=	49.98
			Prob > F	=	0.0000

			Linearized				
			RRR	Std. Err.	t	P> t	[95% Conf. Inte
> _____							
> rval]							
> _____							
-1							
> 62874	1.fsAny		.7343504	.0735198	-3.08	0.003	.6016714 .89
> 75668	1.Male		.2601925	.0175449	-19.97	0.000	.2275124 .29
> 76152	fsAny#Male						
	1 1		1.441783	.1907521	2.77	0.007	1.10798 1.8
> 76722	ageNew						
	2		1.227357	.1140519	2.20	0.030	1.0201 1.4
> 18874	3		1.426683	.1335452	3.80	0.000	1.184162 1.7
> 39764	4		1.415534	.1045732	4.70	0.000	1.221967 1.6
> 35193	eduNew						
	1		1.841919	.1367241	8.23	0.000	1.588926 2.1
> 19767	2		2.677769	.2479743	10.64	0.000	2.227007 3.2
> 94715	Race						
	1		.3509575	.027189	-13.52	0.000	.3008053 .40
> 26674	2		.685312	.0413072	-6.27	0.000	.6078327 .77
> 95237	3		.8510275	.1078644	-1.27	0.207	.6612704 1.0
> 26656	BMIcat						
	4		4.383354	.2573178	25.17	0.000	3.899967 4.9
> 57644	5		14.07201	1.963318	18.95	0.000	10.65981 18.
> 11883	6		20.12713	4.406183	13.71	0.000	13.01788 31.
> 49932	1.depressionBinary						
			.9394128	.1347867	-0.44	0.664	.7060356 1.2
> 60482	_cons		3.00064	.2996482	11.00	0.000	2.459742 3.6
> _____							
0		(base outcome)					
> _____							
1							
> 53705	1.fsAny		3.384894	1.14933	3.59	0.001	1.721974 6.6
> 31525	1.Male		2.480695	.6655529	3.39	0.001	1.454286 4.2
> 05808	fsAny#Male						
	1 1		.517669	.2199125	-1.55	0.125	.2222421 1.2
	ageNew						

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> 93189	2 .7817969 .1660608 -1.16 0.250 .5122462 1.1	
> 65393	3 .4851688 .129857 -2.70 0.008 .2847884 .82	
> 43167	4 .3335191 .0851263 -4.30 0.000 .2006705 .55	
> 81404	eduNew 1 .9308716 .2172903 -0.31 0.760 .5849329 1.4	
> 50655	2 1.292815 .2329902 1.43 0.158 .9031238 1.8	
> 65647	Race 1 1.871934 .2964683 3.96 0.000 1.365791 2.5	
> 47785	2 .917434 .210275 -0.38 0.708 .5813607 1.4	
> 03357	3 .6179659 .2069057 -1.44 0.155 .317347 1.2	
> 86293	BMIcat 4 .5551994 .1280396 -2.55 0.013 .3508264 .87	
> 15105	5 .4342163 .2577257 -1.41 0.164 .1332367 1.4	
> 21308	6 .6238143 .3968592 -0.74 0.460 .1758383 2.	
> 73063	1.depressionBinary 1.147033 .3125728 0.50 0.616 .6668237 1.9	
> 90762	_cons .0424338 .0132702 -10.10 0.000 .0227708 .07	

> —

Note: **cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

150 . svy, subpop(if BMIcat >2): mlogit LikeToWeigh i.fsAny##i.Race##i.Male i.ageNe
 > w i.eduNew i.BMIcat i.depressionBinary, rrr baseoutcome(0)
 (running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,206
Number of PSUs	=	154	Population size	=	188,145,157
			Subpop. no. obs	=	15,278
			Subpop. size	=	127,553,383
			Design df	=	79
			F(48, 32)	=	28.36
			Prob > F	=	0.0000

> —

		Linearized				
		RRR	Std. Err.	t	P> t	[95% Conf. Inte
> rval]						
> —						
-1	LikeToWeigh					
> 09344	1.fsAny	.7132142	.1531102	-1.57	0.119	.4652056 1.
> 42135	Race					
	1	.3024047	.0440859	-8.20	0.000	.2262384 .40
	2	.5027519	.0674995	-5.12	0.000	.3848519 .65

> 67706							
	3		.6937041	.1990676	-1.27	0.206	.3918422
> 22811							1.
	fsAny#Race						
	1 1		1.021242	.2644304	0.08	0.936	.6099562
> 09853							1.7
	1 2		1.363754	.3598878	1.18	0.243	.806518
> 05992							2.3
	1 3		.7436336	.3568118	-0.62	0.539	.2861415
> 32578							1.9
	1.Male		.2276595	.0233711	-14.42	0.000	.1855854
> 92723							.27
	fsAny#Male						
	1 1		1.54811	.3593063	1.88	0.063	.9753723
> 57158							2.4
	Race#Male						
	1 1		1.235375	.1996936	1.31	0.195	.8954993
> 04247							1.7
	2 1		1.501081	.2276568	2.68	0.009	1.109945
> 30051							2.0
	3 1		1.595105	.4824514	1.54	0.127	.8736403
> 12367							2.9
	fsAny#Race#Male						
	1 1 1		1.005437	.3153496	0.02	0.986	.5385518
> 77076							1.8
	1 2 1		.6751227	.210463	-1.26	0.211	.3629957
> 55637							1.2
	1 3 1		.7011201	.376047	-0.66	0.510	.2410725
> 39093							2.0
	ageNew						
	2		1.227883	.1144156	2.20	0.030	1.020017
> 47811							1.
	3		1.4294	.1340424	3.81	0.000	1.186016
> 22729							1.7
	4		1.420676	.1042739	4.78	0.000	1.227573
> 44155							1.6
	eduNew						
	1		1.842071	.1368152	8.22	0.000	1.58892
> 35554							2.1
	2		2.669668	.2473542	10.60	0.000	2.220055
> 10339							3.2
	BMIcat						
	4		4.376019	.2543188	25.40	0.000	3.897991
> 12668							4.9
	5		14.00948	1.948053	18.98	0.000	10.62231
> 47671							18.
	6		20.1396	4.410384	13.71	0.000	13.02406
> 14264							31.
	1.depressionBinary						
> 45299							
	_cons		.939	.1331832	-0.44	0.658	.7080394
> 57454							1.2
> 0			(base outcome)				
> 1							

> 61589	1.fsAny	2.701681	2.381305	1.13	0.263	.4674136	15.
	Race						
> 65591	1	5.768187	3.964552	2.55	0.013	1.468578	22.
> 05591	2	1.183375	.994682	0.20	0.842	.222085	6.3
> 96288	3	2.456678	2.646124	0.83	0.407	.2879026	20.
	fsAny#Race						
> 99776	1 1	.6215226	.6510385	-0.45	0.651	.0772615	4.9
> 42964	1 2	3.284559	3.311115	1.18	0.242	.4416083	24.
> 32274	1 3	1.049686	1.536093	0.03	0.974	.057023	19.
	1.Male	4.498492	2.876866	2.35	0.021	1.259625	16.
> 06544	fsAny#Male						
> 26837	1 1	1.005726	.9292478	0.01	0.995	.1598722	6.3
	Race#Male						
> 30279	1 1	.3668592	.2632361	-1.40	0.166	.0879485	1.5
> 58519	2 1	.9745676	.8612071	-0.03	0.977	.1678499	5.6
> 95181	3 1	.1694966	.2055841	-1.46	0.147	.015159	1.8
	fsAny#Race#Male						
> 62565	1 1 1	.8709581	.945748	-0.13	0.899	.1003057	7.5
> 03561	1 2 1	.1212295	.1306461	-1.96	0.054	.0141912	1.
> 29695	1 3 1	.9146559	1.525563	-0.05	0.957	.033071	25.
	ageNew						
> 20998	2	.7892454	.1694239	-1.10	0.274	.514809	1.
> 21544	3	.4867162	.1311481	-2.67	0.009	.2846739	.83
> 46364	4	.3417181	.0892303	-4.11	0.000	.2032089	.57
	eduNew						
> 03363	1	.9468555	.2199222	-0.24	0.815	.596353	1.5
> 65098	2	1.319426	.2294333	1.59	0.115	.9334012	1.8
	BMIcat						
> 33856	4	.5568799	.129092	-2.53	0.014	.351053	.88
> 24954	5	.4386995	.2596513	-1.39	0.168	.1350621	1.4
> 56203	6	.6348079	.4044362	-0.71	0.478	.1786103	2.2
	1.depressionBinary	1.135111	.3098006	0.46	0.644	.6593411	1.9
> 54188	_cons	.0216525	.014189	-5.85	0.000	.0058754	.07

> 97961

> —

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

151 .
end of do-file

152 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

153 . ////////////what they would like to weigh
> svy, subpop(if BMIcat >2): mlogit ConsiderWt i.fsAny, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,700
Number of PSUs	=	154	Population size	=	191,248,760
			Subpop. no. obs	=	15,772
			Subpop. size	=	130,656,985
			Design df	=	79
			F(2 , 78)	=	14.63
			Prob > F	=	0.0000

ConsiderWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	2.158674	.3936719	4.22	0.000	1.501554	3.103367
_cons	.0304697	.0046722	-22.77	0.000	.0224551	.0413447
0	(base outcome)					
1						
1.fsAny	.8810029	.0516549	-2.16	0.034	.7839593	.9900592
_cons	3.209319	.1144278	32.70	0.000	2.98945	3.445358

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

154 .
end of do-file

155 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

156 . svy, subpop(if BMIcat >2): mlogit ConsiderWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,404
Number of PSUs	=	154	Population size	=	189,728,149
			Subpop. no. obs	=	15,476
			Subpop. size	=	129,136,375
			Design df	=	79
			F(20 , 60)	=	43.73
			Prob > F	=	0.0000

ConsiderWt		Linearized RRR	Std. Err.	t	P> t	[95% Conf. Interval]
-1						
1.fsAny		2.220867	.4025631	4.40	0.000	1.548212 3.185772
ageNew	2	1.070976	.3502037	0.21	0.834	.5586136 2.053278
	3	1.452736	.4021669	1.35	0.181	.8372971 2.52054
	4	1.56642	.4205339	1.67	0.099	.9179803 2.672904
eduNew	1	1.361194	.4096151	1.02	0.309	.7478065 2.477711
	2	1.390294	.3199069	1.43	0.156	.879424 2.197934
Race	1	1.291579	.2730829	1.21	0.230	.8479093 1.967401
	2	.9759479	.2266033	-0.10	0.917	.6147715 1.549314
	3	.9880569	.4471432	-0.03	0.979	.401403 2.432111
1.Male		.4986063	.0980511	-3.54	0.001	.3371049 .7374805
_cons		.0277216	.010122	-9.82	0.000	.0134025 .0573393
0		(base outcome)				
1						
1.fsAny		1.07633	.0673408	1.18	0.243	.9503016 1.219072
ageNew	2	1.348777	.0914262	4.41	0.000	1.178541 1.543604
	3	1.645195	.1348074	6.08	0.000	1.397606 1.936644
	4	1.884348	.1523599	7.84	0.000	1.604228 2.21338
eduNew	1	1.789955	.1368683	7.61	0.000	1.537244 2.084209
	2	1.893821	.1485393	8.14	0.000	1.620084 2.213809
Race	1	.574441	.0341848	-9.32	0.000	.5102732 .6466781
	2	.7975466	.0453431	-3.98	0.000	.7122128 .8931045
	3	.7879936	.0773983	-2.43	0.018	.6480604 .958142
1.Male		.3021397	.0158481	-22.82	0.000	.2721857 .3353902
_cons		2.934831	.2541343	12.43	0.000	2.470182 3.486882

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

157 .
end of do-file

158 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

159 . svy, subpop(if BMIcat >2): mlogit ConsiderWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male i.BMIcat, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

```

Number of strata	=	75	Number of obs	=	22,178
Number of PSUs	=	154	Population size	=	188,036,083
			Subpop. no. obs	=	15,250
			Subpop. size	=	127,444,309
			Design df	=	79
			F(26, 54)	=	68.79
			Prob > F	=	0.0000

ConsiderWt		RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]
-1	1.fsAny	2.221155	.4582571	3.87	0.000	1.473099 3.349083
	ageNew					
	2	1.150426	.3960906	0.41	0.685	.5797384 2.282891
	3	1.407368	.3827179	1.26	0.213	.8190915 2.418147
	4	1.651254	.4601743	1.80	0.076	.9482219 2.87553
	eduNew					
	1	1.404336	.4097367	1.16	0.248	.7857001 2.510066
	2	1.613009	.3826062	2.02	0.047	1.005984 2.586322
	Race					
	1	1.18548	.2892567	0.70	0.488	.7294083 1.926716
	2	1.120951	.2722873	0.47	0.640	.6912056 1.817883
	3	.9449797	.4641442	-0.12	0.909	.3554971 2.511938
	1.Male					
		.4850343	.0990497	-3.54	0.001	.3230303 .7282852
	BMICat					
	4	1.842037	.5213039	2.16	0.034	1.048716 3.23548
	5	2.560898	1.319953	1.82	0.072	.9179872 7.144106
	6	10.79035	6.137321	4.18	0.000	3.47824 33.47429
	_cons					
		.0185745	.0069548	-10.65	0.000	.0088155 .0391369
0		(base outcome)				
1	1.fsAny	.9341777	.0616593	-1.03	0.305	.8191681 1.065334
	ageNew					
	2	1.356834	.0981795	4.22	0.000	1.174833 1.567029
	3	1.756364	.1688491	5.86	0.000	1.450477 2.126758
	4	1.918304	.1649534	7.58	0.000	1.616534 2.276408
	eduNew					
	1	1.89149	.1575491	7.65	0.000	1.602513 2.232577
	2	2.21909	.2122854	8.33	0.000	1.834339 2.684542
	Race					
	1	.3909441	.028111	-13.06	0.000	.3388103 .4511
	2	.810757	.0557243	-3.05	0.003	.7070931 .9296188
	3	.9363163	.1016729	-0.61	0.546	.7543178 1.162226
	1.Male					
		.3097278	.0185203	-19.60	0.000	.2749733 .3488749
	BMICat					
	4	5.089642	.3127578	26.48	0.000	4.503679 5.751844
	5	17.112	2.166377	22.43	0.000	13.30033 22.01602
	6	45.02115	8.879112	19.30	0.000	30.40399 66.66571
	_cons					
		1.22682	.1246085	2.01	0.048	1.002258 1.501698

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

160 .
end of do-file

161 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
162 . svy, subpop(if BMICat >2): mlogit ConsiderWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male i.BMICat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,178
Number of PSUs	=	154	Population size	=	188,036,083
			Subpop. no. obs	=	15,250
			Subpop. size	=	127,444,309
			Design df	=	79
			F(28, 52)	=	62.53
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> _____	ConsiderWt						
> rval]							
> _____							
-1							
> 53434	1.fsAny	2.170743	.4412937	3.81	0.000	1.448354	3.2
> 65841	ageNew						
> 97683	2	1.146019	.3924669	0.40	0.692	.5796349	2.2
> 97683	3	1.396657	.3792023	1.23	0.222	.8135567	2.3
> 49104	4	1.635676	.4560354	1.76	0.081	.9390442	2.8
> 22632	eduNew						
> 38114	1	1.414593	.4111062	1.19	0.236	.7932488	2.5
> 38114	2	1.636937	.3924779	2.06	0.043	1.015712	2.6
> 31906	Race						
> 40562	1	1.187946	.2902238	0.70	0.483	.7304783	1.9
> 40562	2	1.133601	.27603	0.51	0.608	.6981847	1.8
> 50384	3	.9434103	.4626307	-0.12	0.906	.3554633	2.
> 09331	1.Male	.4910077	.1014973	-3.44	0.001	.3253851	.74
> 24345	BMICat						
> 14777	4	1.833344	.5200253	2.14	0.036	1.042429	3.2
> 14777	5	2.556287	1.32055	1.82	0.073	.9142154	7.
> 28782	6	10.68168	6.099852	4.15	0.000	3.427628	33.
> 56004	1.depressionBinary	1.330468	.4364247	0.87	0.387	.692544	2.5

> 86003	_cons	.0180902	.0068881	-10.54	0.000	.0084781	.03
> _____							
0		(base outcome)					
> _____							
1	1.fsAny	.9184594	.0592057	-1.32	0.191	.8078605	1
> .0442							
> 62192	ageNew 2	1.352757	.0978288	4.18	0.000	1.171399	1.5
> 15057	3	1.747724	.1675043	5.83	0.000	1.444187	2.1
> 26325	4	1.906359	.164357	7.48	0.000	1.605745	2.
> 43015	eduNew 1	1.900931	.1580348	7.73	0.000	1.611019	2.2
> 09978	2	2.242541	.2133097	8.49	0.000	1.855731	2.7
> 15449	Race 1	.391234	.02818	-13.03	0.000	.3389785	.45
> 65796	2	.8162753	.0563811	-2.94	0.004	.7114242	.93
> 61538	3	.9350786	.1018814	-0.62	0.540	.7527711	1.1
> 21341	1.Male	.3123416	.018817	-19.32	0.000	.2770459	.35
> 33055	BMIcat 4	5.076021	.3104112	26.57	0.000	4.494285	5.7
> 99838	5	17.09643	2.165337	22.41	0.000	13.28679	21.
> 23685	6	44.72905	8.822748	19.27	0.000	30.20506	66.
1.depressionBinary		1.241258	.1475836	1.82	0.073	.9796735	1.5
> 72689	_cons	1.203825	.1245209	1.79	0.077	.9798226	1.4
> 79037							
> _____							

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```
164 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
165 . svy, subpop(if BMIcat >2): mlogit ConsiderWt i.fsAny##i.Race i.ageNew i.eduNe
> w i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,178
Number of PSUs	=	154	Population size	=	188,036,083
			Subpop. no. obs	=	15,250
			Subpop. size	=	127,444,309
			Design df	=	79
			F(34, 46)	=	56.12
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> _____	ConsiderWt						
> rval]							
> _____							
-1							
> 43443	1.fsAny	2.417933	.8930673	2.39	0.019	1.159209	5.0
> 30573	Race						
	1	1.465158	.4582538	1.22	0.226	.7861682	2.7
> 30753	2	1.053613	.3473391	0.16	0.875	.5466445	2.0
> 30208	3	.7919646	.5946728	-0.31	0.757	.1776689	3.5
> 80526	fsAny#Race						
	1 1	.6103528	.291761	-1.03	0.305	.2357004	1.5
> 35902	1 2	1.055314	.4853278	0.12	0.907	.4225075	2.6
> 31055	1 3	1.279112	1.263088	0.25	0.804	.1791828	9.1
> 82191	ageNew						
	2	1.153098	.3954889	0.42	0.679	.5826137	2.2
> 04822	3	1.401775	.3801097	1.25	0.217	.8170967	2.4
> 65803	4	1.65161	.457283	1.81	0.074	.9518504	2.8
> 41703	eduNew						
	1	1.427212	.413806	1.23	0.224	.8014052	2.5
> 75164	2	1.660366	.3978742	2.12	0.038	1.030523	2.6
> 74001	1.Male	.4905393	.1013285	-3.45	0.001	.3251697	.
> 18603	BMIcat						
	4	1.827875	.5195805	2.12	0.037	1.038068	3.2
> 26215	5	2.548335	1.316564	1.81	0.074	.9112846	7.1
> 40896	6	10.7173	6.121827	4.15	0.000	3.438013	33.

1.depressionBinary		1.325603	.4389485	0.85	0.397	.6857561	2.5
> 62459	_cons	.0173883	.0067155	-10.49	0.000	.0080613	.03
> 75067							
> _____							
0		(base outcome)					
> _____							
1							
> 24429	1.fsAny	.9838902	.1160657	-0.14	0.891	.7779861	1.
Race							
> 53121	1	.4111484	.0384685	-9.50	0.000	.3412859	.49
> 68807	2	.8204127	.071948	-2.26	0.027	.6890063	.97
> 86487	3	.9956713	.1281843	-0.03	0.973	.7705954	1.2
fsAny#Race							
> 72311	1 1	.8325684	.1431429	-1.07	0.290	.5912853	1.1
> 98606	1 2	.9463485	.1504476	-0.35	0.730	.6896438	1.2
> 51815	1 3	.7438954	.2232314	-0.99	0.327	.409361	1.3
ageNew							
> 64128	2	1.354084	.0980999	4.18	0.000	1.172247	1.5
> 16877	3	1.747784	.1682352	5.80	0.000	1.443045	2.1
> 27281	4	1.913355	.1654905	7.50	0.000	1.610749	2.
eduNew							
> 44929	1	1.902355	.1582526	7.73	0.000	1.612058	2.2
> 15009	2	2.245811	.2140696	8.49	0.000	1.857698	2.7
1.Male							
> 17154		.3119113	.0188207	-19.31	0.000	.2766118	.35
BMIcat							
> 31068	4	5.076858	.3091576	26.68	0.000	4.497326	5.7
> 00354	5	17.09844	2.166596	22.40	0.000	13.2868	22.
> 40411	6	44.83456	8.847298	19.27	0.000	30.27129	66.
1.depressionBinary							
> 66076		1.23839	.1460604	1.81	0.074	.9792691	1.5
> 65916	_cons	1.189648	.1248089	1.66	0.102	.9654457	1.4
> _____							

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

166 .
end of do-file

167 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

168 . svy, subpop(if BMIcat >2): mlogit ConsiderWt i.fsAny##i.Male i.ageNew i.eduNe
> w i.Race i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =       75          Number of obs     =    22,178
Number of PSUs        =      154          Population size = 188,036,083
                                                Subpop. no. obs =   15,250
                                                Subpop. size   = 127,444,309
                                                Design df      =      79
F( 30,      50)      =      57.91
Prob > F              =     0.0000



|         | ConsiderWt         | RRR      | Linearized<br>Std. Err. | t     | P> t  | [95% Conf. Inte |
|---------|--------------------|----------|-------------------------|-------|-------|-----------------|
| > rval] |                    |          |                         |       |       |                 |
| > -1    | 1.fsAny            | 1.831485 | .5866963                | 1.89  | 0.063 | .96803 3.4      |
| > 65116 | 1.Male             | .4440081 | .1316079                | -2.74 | 0.008 | .2461291 .8     |
| > 00975 | fsAny#Male         | 1.328802 | .6332965                | 0.60  | 0.553 | .5146054 3.4    |
| > 31202 | ageNew             | 1.148306 | .3934007                | 0.40  | 0.688 | .5806396 2.2    |
| > 70955 | 2                  | 1.402485 | .3806727                | 1.25  | 0.216 | .8170815 2.4    |
| > 07306 | 3                  | 1.639337 | .4594538                | 1.76  | 0.082 | .9384103 2.8    |
| > 63806 | 4                  | 1.417973 | .4134021                | 1.20  | 0.235 | .7936786 2.5    |
| > 33326 | eduNew             | 1.647046 | .4012878                | 2.05  | 0.044 | 1.014127 2.6    |
| > 74971 | 1                  | 1.189022 | .2889344                | 0.71  | 0.478 | .7330419 1.9    |
| > 28638 | 2                  | 1.12853  | .2753212                | 0.50  | 0.622 | .6944164 1.8    |
| > 34028 | 3                  | .9467838 | .4641413                | -0.11 | 0.911 | .3568421 2.5    |
| > 12034 | Race               | 1.83949  | .5235686                | 2.14  | 0.035 | 1.043889 3.2    |
| > 41462 | 1                  | 2.563375 | 1.330521                | 1.81  | 0.074 | .9122695 7.2    |
| > 02794 | 2                  | 10.743   | 6.193962                | 4.12  | 0.000 | 3.409768 33.    |
| > 84747 | 3.depressionBinary | 1.335626 | .4379297                | 0.88  | 0.380 | .6954224 2.5    |


```

> 65198								
> 99682	_cons	.0191402	.0070802	-10.69	0.000	.009166	.03	
> _____								
0		(base outcome)						
> _____								
1								
> 57755	1.fsAny	.8124335	.0663224	-2.54	0.013	.6905891	.95	
> 56496	1.Male	.2963953	.022892	-15.75	0.000	.2541597	.34	
> 69229	fsAny#Male	1.225921	.1520609	1.64	0.105	.9577208	1.5	
> 63765	ageNew	2	1.35452	.0977547	4.20	0.000	1.173274	1.5
> 21926	3	1.752898	.1682521	5.85	0.000	1.448049	2.1	
> 67989	4	1.909156	.1651981	7.47	0.000	1.607096	2.2	
> 46134	eduNew	1	1.904077	.158044	7.76	0.000	1.61411	2.2
> 19614	2	2.250054	.214256	8.52	0.000	1.861567	2.7	
> .4523	Race	1	.3916912	.0283119	-12.97	0.000	.339204	
> 47329	2	.8143276	.0564165	-2.96	0.004	.7094319	.93	
> 64264	3	.9369412	.1022512	-0.60	0.552	.7540033	1.1	
> 39822	BMIcat	4	5.083062	.3103141	26.63	0.000	4.50145	5.7
> 02273	5	17.11379	2.168321	22.41	0.000	13.29907	22.	
> 44285	6	44.8727	8.848801	19.29	0.000	30.30513	66.	
> 75271	1.depressionBinary		1.244609	.147322	1.85	0.068	.9833558	1.5
> 28041	_cons	1.242029	.1293166	2.08	0.041	1.009551	1.5	
> _____								

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

169 .
end of do-file

170 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
171 . svy, subpop(if BMIcat >2): mlogit ConsiderWt i.fsAny##i.Race##i.Male i.ageNew
> i.eduNew i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =       75          Number of obs     =    22,178
Number of PSUs        =      154          Population size = 188,036,083
                                                Subpop. no. obs =   15,250
                                                Subpop. size   = 127,444,309
                                                Design df      =      79
F(  48,      32) =      32.87
Prob > F            =     0.0000



|         |                       | Linearized |           | t     | P> t  | [95% Conf. Inte |     |
|---------|-----------------------|------------|-----------|-------|-------|-----------------|-----|
|         | ConsiderWt            | RRR        | Std. Err. |       |       |                 |     |
| > rval] |                       |            |           |       |       |                 |     |
| > -1    |                       |            |           |       |       |                 |     |
| > 85468 | 1.fsAny               | 1.642865   | 1.010032  | 0.81  | 0.422 | .4832193        | 5.5 |
| > 60504 | Race 1                | .896834    | .3961514  | -0.25 | 0.806 | .3722795        | 2.1 |
| > 22162 | 2                     | .3574998   | .2349066  | -1.57 | 0.121 | .0966645        | 1.3 |
| > 62408 | 3                     | .1592079   | .1256806  | -2.33 | 0.022 | .0330799        | .76 |
| > 30222 | fsAny#Race 1 1        | .9232108   | .6476624  | -0.11 | 0.910 | .2284899        | 3.7 |
| > 96503 | 1 2                   | 3.487233   | 3.056987  | 1.42  | 0.158 | .6091046        | 19. |
| > 33412 | 1 3                   | 2.629369   | 3.670838  | 0.69  | 0.491 | .1633099        | 42. |
| > 43303 | 1.Male                | .286431    | .1121263  | -3.19 | 0.002 | .1314092        | .62 |
| > 71016 | fsAny#Male 1 1        | 1.956894   | 1.550294  | 0.85  | 0.399 | .4043318        | 9.4 |
| > 53207 | Race#Male 1 1         | 2.400412   | 1.265149  | 1.66  | 0.101 | .8407711        | 6.8 |
| > 87598 | 2 1                   | 5.220835   | 4.198432  | 2.06  | 0.043 | 1.053375        | 25. |
| > 84072 | 3 1                   | 9.11872    | 10.53124  | 1.91  | 0.059 | .91535          | 90. |
| > 52892 | fsAny#Race#Male 1 1 1 | .4849527   | .4401324  | -0.80 | 0.428 | .0796437        | 2.9 |
| > 99366 | 1 2 1                 | .146138    | .1658712  | -1.69 | 0.094 | .0152614        | 1.3 |
|         | 1 3 1                 | .4453993   | .814218   | -0.44 | 0.659 | .0117084        | 16  |


```

> .9435

	ageNew						
> 95492	2	1.158201	.3980514	0.43	0.670	.5843754	2.2
> 26222	3	1.41321	.3837321	1.27	0.206	.8231579	2.4
> 80625	4	1.655258	.4607484	1.81	0.074	.9511399	2.8
	eduNew						
> 33079	1	1.423133	.4122399	1.22	0.227	.7995432	2.5
> 89237	2	1.661251	.4020207	2.10	0.039	1.026222	2.6
	BMIcat						
> 91334	4	1.814219	.5147791	2.10	0.039	1.031352	3.1
> 63837	5	2.518614	1.304929	1.78	0.078	.8980126	7.0
> 69573	6	10.72214	6.168202	4.12	0.000	3.411838	33.
	1.depressionBinary						
> 97618		1.337621	.4460208	0.87	0.386	.688796	2.5
> 98073	_cons	.0238615	.0088219	-10.10	0.000	.0114314	.04
> _____							
0		(base outcome)					
> _____							
1	1.fsAny	.9397026	.1535788	-0.38	0.705	.6787531	1.3
> 00975							
	Race						
> 75913	1	.3853428	.053344	-6.89	0.000	.2925367	.50
> 03364	2	.6796103	.0883582	-2.97	0.004	.5246519	.88
> 61478	3	.8596555	.1985806	-0.65	0.515	.5427981	1.3
	fsAny#Race						
> 12763	1 1	.7246124	.1609938	-1.45	0.151	.4656343	1.
> 28265	1 2	.9696375	.2216344	-0.13	0.893	.6152054	1.5
> 69793	1 3	.7703794	.305869	-0.66	0.513	.3495341	1.
	1.Male	.2786162	.027906	-12.76	0.000	.2282572	.34
> 00856							
	fsAny#Male						
> 60811	1 1	1.058905	.2063973	0.29	0.770	.7183953	1.5
	Race#Male						
> 97315	1 1	1.083819	.1759759	0.50	0.621	.7845134	1.4
> 12639	2 1	1.323528	.2091119	1.77	0.080	.966396	1.8
> 22677	3 1	1.228577	.3375176	0.75	0.456	.7110845	2.1

	fsAny#Race#Male						
> 56598	1 1 1	1.421796	.360939	1.39	0.170	.8578057	2.3
> 03938	1 2 1	.9917752	.2696624	-0.03	0.976	.5772617	1.7
> 82459	1 3 1	.9874131	.45734	-0.03	0.978	.3927495	2.4
	ageNew						
> 56537	2	1.355462	.0980477	4.20	0.000	1.173702	1.
> 23725	3	1.753672	.1686843	5.84	0.000	1.4481	2.1
> 27866	4	1.91726	.1663407	7.50	0.000	1.613178	2.
	eduNew						
> 40682	1	1.900385	.1572702	7.76	0.000	1.61177	2.2
> 19142	2	2.249838	.2141475	8.52	0.000	1.861533	2.7
	BMIcat						
> 35353	4	5.084687	.3076072	26.88	0.000	4.507838	5.7
> 00691	5	17.0863	2.172467	22.32	0.000	13.26591	22.
> 56966	6	44.99953	8.853112	19.35	0.000	30.41862	66.
	1.depressionBinary						
> 68795		1.240173	.1464553	1.82	0.072	.9803878	1.5
> 13629	_cons	1.285724	.1467359	2.20	0.031	1.024452	1.6

> _____

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

172 .

end of do-file

173 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

174 . svy, subpop(if BMIcat ==2): mlogit doingAbtWt i.fsAny, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,723
Number of PSUs	=	154	Population size	=	183,774,879
			Subpop. no. obs	=	5,479
			Subpop. size	=	49,434,640.1
			Design df	=	79
			F(4, 76)	=	29.20
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	.786897	.109779	-1.72	0.090	.5961022	1.03876
_cons	.1726371	.0145201	-20.88	0.000	.1460252	.2040987
2						
1.fsAny	2.153269	.3077743	5.37	0.000	1.620095	2.861909
_cons	.1147438	.0099614	-24.94	0.000	.0965348	.1363876
3						
1.fsAny	.45965	.0495619	-7.21	0.000	.3708674	.5696864
_cons	.5761152	.031135	-10.20	0.000	.5173593	.6415439
4						
1.fsAny	.4972203	.0828989	-4.19	0.000	.3568001	.6929034
_cons	.2727667	.0212184	-16.70	0.000	.2336398	.318446
5	(base outcome)					

Note: `_cons` estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

175 .
end of do-file

176 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

177 . svy, subpop(if BMIcat ==2): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =       75
Number of PSUs        =      154
Number of obs          =    21,525
Population size        = 182,739,069
Subpop. no. obs        =      5,281
Subpop. size           = 48,398,829.4
Design df              =       79
F(  40,      40)        =      21.43
Prob > F               =     0.0000

```

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.043788	.1739006	0.26	0.798	.7491896	1.454229
ageNew						
2	.937892	.1892766	-0.32	0.752	.6276237	1.401543
3	1.176798	.2334158	0.82	0.414	.7929424	1.746475
4	.9640799	.1998672	-0.18	0.860	.6381198	1.456545
eduNew						
1	1.317747	.348737	1.04	0.300	.7781455	2.231533
2	1.997659	.4414207	3.13	0.002	1.286787	3.101246
Race						
1	.5661663	.1152202	-2.80	0.007	.3775913	.8489187
2	.8506561	.1508062	-0.91	0.364	.5977284	1.21061
3	.4899718	.1144821	-3.05	0.003	.3077471	.7800963
1.Male						
_cons	.3162997	.0393576	-9.25	0.000	.246908	.4051933
	.1797807	.0473911	-6.51	0.000	.1063829	.3038185

2	1.fsAny	2.183497	.3718547	4.59	0.000	1.555737	3.064566
	ageNew						
	2	1.213914	.2490786	0.94	0.348	.8068939	1.826247
	3	.8526946	.1760657	-0.77	0.443	.5653303	1.28613
	4	1.658956	.3088239	2.72	0.008	1.145287	2.403009
	eduNew						
	1	1.112309	.2150481	0.55	0.584	.7570054	1.634377
	2	.9049257	.1251726	-0.72	0.472	.6871321	1.191751
	Race						
	1	1.030716	.1647166	0.19	0.850	.7498844	1.416718
	2	.865493	.1422822	-0.88	0.382	.6239564	1.20053
	3	.6059553	.1396506	-2.17	0.033	.3830172	.9586562
	1.Male	.9386774	.1282345	-0.46	0.644	.7151931	1.231996
	_cons	.1106024	.0247345	-9.85	0.000	.0708673	.1726171
3	1.fsAny	.6571113	.0784579	-3.52	0.001	.518115	.8333964
	ageNew						
	2	.8369843	.1023653	-1.45	0.150	.6561362	1.067679
	3	.703773	.1010667	-2.45	0.017	.5288016	.9366394
	4	.7912382	.1021315	-1.81	0.073	.6119653	1.023028
	eduNew						
	1	1.63467	.264834	3.03	0.003	1.184081	2.256726
	2	3.269795	.5093274	7.61	0.000	2.398108	4.458331
	Race						
	1	.3625703	.0586075	-6.28	0.000	.2628209	.5001778
	2	.7250514	.1034356	-2.25	0.027	.545818	.9631408
	3	.790026	.1053047	-1.77	0.081	.6059233	1.030066
	1.Male	.1662027	.0176383	-16.91	0.000	.1345547	.2052945
	_cons	.5448332	.1084503	-3.05	0.003	.3666017	.8097159
4	1.fsAny	.7449303	.1185582	-1.85	0.068	.5426713	1.022573
	ageNew						
	2	1.078939	.2108891	0.39	0.699	.7311955	1.592064
	3	.8847427	.1740692	-0.62	0.535	.5980561	1.308857
	4	.9955708	.1603881	-0.03	0.978	.7224524	1.37194
	eduNew						
	1	1.297826	.3406438	0.99	0.324	.7697046	2.188309
	2	3.426442	.7099603	5.94	0.000	2.268458	5.175545
	Race						
	1	.3826445	.0731558	-5.02	0.000	.2615335	.5598395
	2	.6672155	.1112971	-2.43	0.018	.4787073	.9299554
	3	.5189275	.121346	-2.81	0.006	.325811	.8265092
	1.Male	.5143989	.0733508	-4.66	0.000	.3872887	.6832273
	_cons	.1680843	.0508652	-5.89	0.000	.0920306	.3069883
5	(base outcome)						

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

178 .
end of do-file

179 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

180 . svy, subpop(if BMIcat>2): mlogit doingAbtWt i.fsAny i.ageNew i.eduNew i.Race
> i.Male i.BMIcat, rrr baseoutcome(5)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	20,949
Number of PSUs	=	154	Population size	=	177,569,925
			Subpop. no. obs	=	14,021
			Subpop. size	=	116,978,150
			Design df	=	79
			F(52, 28)	=	32.00
			Prob > F	=	0.0000

doingAbtWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.127228	.0985798	1.37	0.175	.9471382	1.34156
ageNew						
2	.8649527	.0881766	-1.42	0.159	.7061026	1.059539
3	.804562	.0760595	-2.30	0.024	.6665601	.9711353
4	.854612	.0849958	-1.58	0.118	.7011252	1.041699
eduNew						
1	1.449066	.1438498	3.74	0.000	1.189253	1.765639
2	2.691412	.2908768	9.16	0.000	2.170476	3.337379
Race						
1	1.02034	.0779368	0.26	0.793	.8764282	1.187884
2	.9111873	.0784944	-1.08	0.284	.7676092	1.081621
3	.7713303	.1199047	-1.67	0.099	.5660586	1.05104
1.Male	.6043648	.0352865	-8.62	0.000	.5380563	.6788449
BMIcat						
4	1.657497	.1139913	7.35	0.000	1.445448	1.900654
5	2.102761	.2236967	6.99	0.000	1.701486	2.59867
6	2.779106	.3698279	7.68	0.000	2.132406	3.621931
_cons	.404169	.0571171	-6.41	0.000	.3050706	.5354584
2						
1.fsAny	2.204554	.2690976	6.48	0.000	1.729032	2.810854
ageNew						
2	1.019596	.1864087	0.11	0.916	.7085746	1.467136
3	1.297888	.2400676	1.41	0.163	.8981388	1.875561
4	1.238207	.2130777	1.24	0.218	.8790942	1.74402
eduNew						
1	1.056438	.1617891	0.36	0.721	.7788583	1.432945
2	.8352064	.1365135	-1.10	0.274	.6032563	1.156341
Race						
1	1.703975	.2231532	4.07	0.000	1.312972	2.211418
2	.8012163	.1199599	-1.48	0.143	.5947352	1.079384
3	1.119949	.3020862	0.42	0.676	.6546827	1.91587
1.Male	.7283313	.0725647	-3.18	0.002	.597315	.8880849

	BMIcat					
	4	.9522798	.1111181	-0.42	0.676	.7549114
	5	1.148912	.2109431	0.76	0.452	.7972104
	6	.7250483	.1581834	-1.47	0.145	.4696476
	_cons	.1187559	.0259063	-9.77	0.000	.0769272
3						
	1/fsAny	.9816926	.0713807	-0.25	0.800	.8494158
	ageNew					
	2	.8640344	.0744603	-1.70	0.094	.7278395
	3	.9258309	.080112	-0.89	0.376	.7793485
	4	.8987585	.0781611	-1.23	0.223	.7559034
	eduNew					
	1	1.654189	.1223279	6.81	0.000	1.427774
	2	2.811269	.2406229	12.08	0.000	2.370898
	Race					
	1	.9025626	.0763179	-1.21	0.229	.7627512
	2	1.053984	.0923049	0.60	0.550	.8853779
	3	1.106291	.1454961	0.77	0.445	.8514925
	1.Male					
		.4470555	.0261717	-13.75	0.000	.3978826
	BMIcat					
	4	1.647279	.1035596	7.94	0.000	1.453525
	5	2.187975	.1815323	9.44	0.000	1.854903
	6	2.811907	.2790423	10.42	0.000	2.307901
	_cons	.9280465	.0929447	-0.75	0.458	.7603178
4						
	1/fsAny	.9623182	.0989452	-0.37	0.710	.7842185
	ageNew					
	2	.9518817	.1434293	-0.33	0.744	.7052274
	3	1.03927	.1448858	0.28	0.783	.7874366
	4	1.244432	.1577258	1.73	0.088	.9669574
	eduNew					
	1	1.689003	.2452308	3.61	0.001	1.265085
	2	3.418616	.4630935	9.07	0.000	2.610664
	Race					
	1	1.064655	.1139995	0.59	0.560	.860295
	2	.9548594	.1208125	-0.37	0.716	.7422786
	3	.8832145	.1604813	-0.68	0.496	.6151711
	1.Male					
		1.073118	.0938261	0.81	0.422	.9017097
	BMIcat					
	4	1.065027	.1091341	0.61	0.540	.8685214
	5	.9308265	.1747791	-0.38	0.704	.6405524
	6	.8536512	.1848571	-0.73	0.467	.5547365
	_cons	.1032212	.018159	-12.91	0.000	.0727266
5		(base outcome)				

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

> 2							
> 40494	1.fsAny	1.989606	.2443181	5.60	0.000	1.558175	2.5
> 34049	ageNew	.9935497	.1831776	-0.04	0.972	.6883594	1.4
> 15197	2						
> 56623	3	1.248636	.2347045	1.18	0.241	.8589106	1.8
> 73276	4	1.180336	.2010161	0.97	0.333	.8409843	1.6
> 26185	eduNew	1.08823	.1656231	0.56	0.580	.8038163	1.4
> 72253	1						
> 42823	2	.8867563	.144385	-0.74	0.463	.6412873	1.2
> 28416	Race	1.752357	.2287319	4.30	0.000	1.351415	2.2
> 70128	1						
> 74561	2	.8501095	.1263735	-1.09	0.278	.6323695	1.1
> 44842	3	1.115524	.3067697	0.40	0.692	.6452931	1.9
> 06491	1.Male	.7684093	.076582	-2.64	0.010	.6301439	.93
> 79764	BMIcat	.9281827	.1097812	-0.63	0.530	.7334851	1.1
> 72037	4						
> 72037	5	1.139554	.2101158	0.71	0.481	.7894877	1.6
> 72037	6	.6904079	.1503164	-1.70	0.093	.4476087	1.
1.depressionBinary		2.294247	.3762199	5.06	0.000	1.655334	3.1
> 12239	_cons	.1077414	.0237886	-10.09	0.000	.0694256	.16
> 12239							
> 23285	1.fsAny	.9710902	.0706423	-0.40	0.688	.8401861	1.
> 96891	ageNew	.8617648	.074377	-1.72	0.089	.7257394	1.0
> 65127	2						
> 20374	3	.9228925	.0800844	-0.92	0.358	.7764953	1.0
> 51818	4	.8948543	.0783106	-1.27	0.208	.7518015	1.0
> 70509	eduNew	1.6582	.1222852	6.86	0.000	1.431819	1.9
> 70509	1						
> 70509	2	2.827647	.2415852	12.17	0.000	2.385449	3.3
> 70509	Race	.9041168	.0767332	-1.19	0.239	.7635871	1.0
> 70509	1						
> 70509	2	1.059383	.0939376	0.65	0.517	.8879759	1.2

> 63877							
> 37804	3		1.105902	.1458213	0.76	0.447	.8506159
> 53289	1.Male		.4496025	.0263931	-13.62	0.000	.4000214
> 62627	BMIcat						
	4		1.6441	.1030795	7.93	0.000	1.451212
> 81263	5		2.186712	.1822359	9.39	0.000	1.852468
> 07039	6		2.798764	.2765309	10.42	0.000	2.299087
1.depressionBinary			1.134519	.1137576	1.26	0.212	.9292545
> 85124	_cons		.9182217	.0920604	-0.85	0.397	.7521062
> 21027							
> 4							
> 99835	1.fsAny		.9784536	.1002643	-0.21	0.832	.7979195
> 88265	ageNew						
	2		.9542006	.1439021	-0.31	0.757	.7067635
> 74709	3		1.042513	.1448752	0.30	0.765	.7905924
> 12898	4		1.249802	.1601443	1.74	0.086	.9684458
> 25186	eduNew						
	1		1.684741	.2455821	3.58	0.001	1.260447
> 38971	2		3.393798	.4577571	9.06	0.000	2.594715
> 15354	Race						
	1		1.063121	.1137106	0.57	0.569	.8592563
> 22617	2		.9533194	.1205513	-0.38	0.706	.7411842
> 71877	3		.8848411	.1612984	-0.67	0.504	.6155815
> 72372	1.Male		1.066934	.0943908	0.73	0.466	.8946665
> 09163	BMIcat						
	4		1.067341	.109508	0.64	0.527	.8701864
> 54056	5		.9326593	.174691	-0.37	0.711	.6424059
> 21435	6		.8597726	.1856539	-0.70	0.486	.5593988
1.depressionBinary			.807103	.1835397	-0.94	0.349	.513275
> 69135	_cons		.1045807	.0183526	-12.87	0.000	.0737485
> 83029							
> 5			(base outcome)				
> 5							

Note: **_cons** estimates baseline relative risk for each outcome.
 Note: 3 strata omitted because they contain no subpopulation members.

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184 .
  end of do-file

185 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

186 . svy, subpop(if BMIcat ==2): mlogit doingAbtWt i.fsAny##i.Race i.ageNew i.eduN
> ew i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(5)
  (running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =       75          Number of obs     =   21,525
Number of PSUs        =      154          Population size = 182,739,069
                                                Subpop. no. obs =      5,281
                                                Subpop. size   = 48,398,829.4
Design df              =           79
F(  56,      24)      =      17.33
Prob > F               =      0.0000



|                    |            | Linearized |           | t     | P> t  | [95% Conf. Inte |     |
|--------------------|------------|------------|-----------|-------|-------|-----------------|-----|
|                    |            | RRR        | Std. Err. |       |       |                 |     |
| > _____            | doingAbtWt |            |           |       |       |                 |     |
| > rval]            |            |            |           |       |       |                 |     |
| > _____            |            |            |           |       |       |                 |     |
| 1                  | 1.fsAny    | .8797482   | .2276324  | -0.50 | 0.622 | .5256376        | 1.4 |
| > 72415            | Race       |            |           |       |       |                 |     |
| > 50985            | 1          | .5789176   | .1267437  | -2.50 | 0.015 | .3744231        | .89 |
| > 13644            | 2          | .7275989   | .1629985  | -1.42 | 0.160 | .465841         | 1.  |
| > 12768            | 3          | .4172657   | .1260473  | -2.89 | 0.005 | .2287087        | .76 |
| > 58994            | fsAny#Race |            |           |       |       |                 |     |
| > 54337            | 1 1        | 1.033959   | .4059706  | 0.09  | 0.932 | .4732511        | 2.2 |
| > 33011            | 1 2        | 1.646372   | .6365589  | 1.29  | 0.201 | .7626009        | 3.5 |
| > 09626            | 1 3        | 2.280966   | 1.456889  | 1.29  | 0.200 | .6397144        | 8.1 |
| > 74284            | ageNew     |            |           |       |       |                 |     |
| > 46904            | 2          | .9420672   | .1907388  | -0.29 | 0.769 | .6295928        | 1.4 |
| > 09626            | 3          | 1.173381   | .2332242  | 0.80  | 0.424 | .7899877        | 1.  |
| > 74284            | 4          | .9548195   | .1993918  | -0.22 | 0.825 | .6300903        | 1.4 |
| > 74731            | eduNew     |            |           |       |       |                 |     |
| > 39732            | 1          | 1.333401   | .3578126  | 1.07  | 0.287 | .7816123        | 2.2 |
| > 57649            | 2          | 2.011694   | .4499115  | 3.13  | 0.002 | 1.288935        | 3.1 |
| > 57649            | 1.Male     | .3166264   | .0394582  | -9.23 | 0.000 | .2470698        | .40 |
| 1.depressionBinary | 2.BMIcat   | 1          | (omitted) |       |       |                 |     |
|                    | 1.071214   | .3440675   |           | 0.21  | 0.831 | .5652268        | 2.0 |


```

> 30157

	_cons	.1828942	.0484971	-6.41	0.000	.1078899	.31
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> 00411

> —

2

1	1.fsAny	2.184787	.4344137	3.93	0.000	1.470711	3.
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> 24557

Race							
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1		1.286904	.2603241	1.25	0.216	.8603606	1.9
---	--	----------	----------	------	-------	----------	-----

> 24915

2		1.07865	.2229016	0.37	0.715	.714899	1.6
---	--	---------	----------	------	-------	---------	-----

> 27482

3		.6827404	.197915	-1.32	0.192	.3834145	1.2
---	--	----------	---------	-------	-------	----------	-----

> 15746

fsAny#Race							
------------	--	--	--	--	--	--	--

1 1		.6449322	.1889488	-1.50	0.138	.3599603	1.1
-----	--	----------	----------	-------	-------	----------	-----

> 55509

1 2		.6888685	.2063355	-1.24	0.217	.3795	1.2
-----	--	----------	----------	-------	-------	-------	-----

> 50434

1 3		.8332959	.381579	-0.40	0.692	.3349332	2.0
-----	--	----------	---------	-------	-------	----------	-----

> 73196

ageNew							
--------	--	--	--	--	--	--	--

2		1.208472	.2455595	0.93	0.354	.8064616	1.
---	--	----------	----------	------	-------	----------	----

> 81088

3		.8150818	.1692269	-0.98	0.328	.5391707	1.2
---	--	----------	----------	-------	-------	----------	-----

> 32186

4		1.618762	.303469	2.57	0.012	1.114619	2.
---	--	----------	---------	------	-------	----------	----

> 35093

eduNew							
--------	--	--	--	--	--	--	--

1		1.128347	.2204325	0.62	0.538	.7648331	1.6
---	--	----------	----------	------	-------	----------	-----

> 64635

2		.9340767	.1306551	-0.49	0.627	.7070787	1.2
---	--	----------	----------	-------	-------	----------	-----

> 33949

1.Male		.9525156	.1304503	-0.36	0.723	.7252435	1.2
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> 51009

2.BMICat		1	(omitted)				
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1.depressionBinary		2.76162	.5312915	5.28	0.000	1.883039	4.0
--------------------	--	---------	----------	------	-------	----------	-----

> 50127

_cons		.0956883	.0215005	-10.44	0.000	.0611821	.14
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> 96557

1	1.fsAny	.5466929	.0870771	-3.79	0.000	.398158	.75
---	---------	----------	----------	-------	-------	---------	-----

> 06396

Race							
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1		.3466487	.0643022	-5.71	0.000	.2396285	.50
---	--	----------	----------	-------	-------	----------	-----

> 14651

2		.636551	.1101528	-2.61	0.011	.4510709	.89
---	--	---------	----------	-------	-------	----------	-----

> 83004

3		.722918	.1049554	-2.23	0.028	.5414855	.9
---	--	---------	----------	-------	-------	----------	----

> 65142

fsAny#Race							
------------	--	--	--	--	--	--	--

1 1		1.314453	.407921	0.88	0.381	.7087262	2.4
-----	--	----------	---------	------	-------	----------	-----

1 2		1.723056	.4774766	1.96	0.053	.9925532	2.9
-----	--	----------	----------	------	-------	----------	-----

> 91197

1 3		1.841302	.5735596	1.96	0.054	.9904993	3.4
-----	--	----------	----------	------	-------	----------	-----

> 22912

	ageNew						
> 71525	2	.8394186	.1029545	-1.43	0.157	.6575898	1.0
> 39969	3	.7024433	.1005461	-2.47	0.016	.5282958	.93
> 15677	4	.7839513	.1019946	-1.87	0.065	.6050934	1.0
	eduNew						
> 66405	1	1.646006	.2644948	3.10	0.003	1.195433	2.2
> 66047	2	3.277294	.5095708	7.63	0.000	2.404958	4.4
	1.Male	.1664328	.0176685	-16.89	0.000	.1347317	.20
> 55928	2.BMIcat	1	(omitted)				
1.depressionBinary		.9976734	.2002015	-0.01	0.991	.6691482	1.4
> 87491	_cons	.5559761	.1107435	-2.95	0.004	.3739988	.82
> 64985							
> 4							
> 05176	1.fsAny	.6896384	.1462302	-1.75	0.084	.4521955	1.
	Race						
> 01038	1	.3292417	.0724204	-5.05	0.000	.212506	.51
> 42604	2	.6695198	.1296118	-2.07	0.041	.4554249	.98
> 56991	3	.4452576	.109272	-3.30	0.001	.2731908	.72
	fsAny#Race						
> 08391	1 1	1.746062	.612119	1.59	0.116	.8689833	3.5
> 00158	1 2	1.034125	.3160806	0.11	0.913	.5628026	1.9
> 33651	1 3	2.456077	1.188246	1.86	0.067	.9376191	6.4
	ageNew						
> 12122	2	1.089639	.2144324	0.44	0.664	.7364909	1.6
> 33846	3	.9004559	.1777527	-0.53	0.597	.6078817	1.3
> 80992	4	1.001057	.1618154	0.01	0.995	.7256493	1.3
	eduNew						
> 66451	1	1.286731	.3367921	0.96	0.338	.7642348	2.1
> 88747	2	3.357006	.7015771	5.79	0.000	2.214591	5.0
	1.Male	.5160416	.0736609	-4.63	0.000	.3884119	.68
> 56096	2.BMIcat	1	(omitted)				
1.depressionBinary		.3253223	.1122854	-3.25	0.002	.163663	.64
> 66615	_cons	.1772248	.0535091	-5.73	0.000	.0971686	.32
> 32387							
> —————							

 5 | (base outcome)

> ——

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

 187 .

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188 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

 189 . svy, subpop(if BMIcat ==2): mlogit doingAbtWt i.fsAny##i.Male i.ageNew i.eduN

> ew i.Race i.BMIcat i.depressionBinary, rrr baseoutcome(5)

(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,525
Number of PSUs	=	154	Population size	=	182,739,069
			Subpop. no. obs	=	5,281
			Subpop. size	=	48,398,829.4
			Design df	=	79
			F(48, 32)	=	23.27
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
>	rval]						
>	1						
> 86188	1.fsAny	.9598646	.1772313	-0.22	0.825	.6646573	1.3
> 02459	1.Male	.2983889	.0440258	-8.20	0.000	.2224532	.40
> 15906	fsAny#Male						
> 00429	1 1	1.301529	.4044516	0.85	0.399	.7011772	2.4
> 30635	ageNew						
> 53652	2	.9359557	.1894838	-0.33	0.745	.625532	1.4
> 40769	3	1.169245	.230348	0.79	0.430	.7899608	1.7
> 12757	4	.9596332	.2002158	-0.20	0.844	.633505	1.4
>	eduNew						
> 51146	1	1.320986	.350706	1.05	0.298	.7787525	2.2
> 12743	2	2.004333	.4480483	3.11	0.003	1.284496	3.
> 17394	Race						
> 06937	1	.567667	.115518	-2.78	0.007	.3786022	.8
>	2.BMIcat						
>	1.depressionBinary	1	(omitted)				
> 06937		1.05216	.3413537	0.16	0.876	.5516072	2.0

> 54401	_cons	.1817123	.0474106	-6.54	0.000	.1081043	.30
> _____							
2	1.fsAny	2.101469	.5129864	3.04	0.003	1.292723	3.4
> 16178	1.Male	1.012912	.1834307	0.07	0.944	.7063628	1.4
> 52498	fsAny#Male						
> 48554	1 1	.8474024	.2389891	-0.59	0.559	.4833872	1.
> _____							
ageNew							
> 02672	2	1.206423	.2434183	0.93	0.355	.8073884	1.8
> 33617	3	.8199704	.1682566	-0.97	0.336	.5450247	1.2
> 19091	4	1.599439	.2985395	2.52	0.014	1.103106	2.3
> _____							
eduNew							
> 63191	1	1.130163	.2193814	0.63	0.530	.7679629	1.6
> 28316	2	.9306389	.1297587	-0.52	0.608	.7051028	1.2
> _____							
Race							
> 29196	1	1.040582	.1658971	0.25	0.804	.7576363	1.4
> 42673	2	.8954289	.1474277	-0.67	0.504	.6452163	1.2
> 76067	3	.6255428	.1466831	-2.00	0.049	.3922425	.99
> _____							
2.BMICat	1	(omitted)					
1.depressionBinary	2.815126	.5393506	5.40	0.000	1.922557	4.	
> 12208	_cons	.0975655	.0232295	-9.77	0.000	.0607408	.15
> 67155	_____						
> _____							
3	1.fsAny	.682187	.0993564	-2.63	0.010	.5105083	.91
> 15995	1.Male	.1694782	.019659	-15.30	0.000	.1345368	.21
> 34946	fsAny#Male						
> 82868	1 1	.8879208	.2578898	-0.41	0.683	.4980854	1.5
> _____							
ageNew							
> 70645	2	.8388251	.1028338	-1.43	0.156	.6571995	1.0
> 71446	3	.705863	.1005065	-2.45	0.017	.5316603	.93
> 23464	4	.7907333	.102489	-1.81	0.074	.6109246	1.0
> _____							
eduNew							
> 57726	1	1.632688	.2658715	3.01	0.004	1.180688	2.2
> 58449	2	3.262708	.5118232	7.54	0.000	2.387661	4.4
>							

	Race						
> 19704	1	.3632084	.0590426	-6.23	0.000	.262805	.50
> 39655	2	.7254572	.1036015	-2.25	0.027	.5459616	.96
> 29001	3	.7893742	.1051349	-1.78	0.080	.6055499	1.0
	2.BMICat	1	(omitted)				
1.depressionBinary		.9813146	.1964589	-0.09	0.925	.6587905	1.4
> 61737	_cons	.5422593	.1091445	-3.04	0.003	.3632574	.80
> 94676							
> —							
4							
> 89458	1.fsAny	.8483827	.1440311	-0.97	0.336	.6051101	1.1
> 62841	1.Male	.524334	.0821748	-4.12	0.000	.3838228	.71
> 59466	fsAny#Male						
	1 1	.8903858	.2785052	-0.37	0.712	.4777362	1.6
> 05561	ageNew						
	2	1.085919	.2133409	0.42	0.676	.7344604	1.6
> 35447	3	.9002048	.1783718	-0.53	0.597	.6068143	1.3
> 90756	4	1.00737	.1632202	0.05	0.964	.7296705	1.3
> 68866	eduNew						
	1	1.287671	.3372867	0.97	0.337	.7644988	2.1
> 89529	2	3.361542	.7005042	5.82	0.000	2.220238	5.0
	Race						
> 24111	1	.3855073	.0731471	-5.02	0.000	.2642477	.56
> 91069	2	.666015	.111394	-2.43	0.017	.4774218	.92
> 18765	3	.5136217	.1203281	-2.84	0.006	.3222014	.8
	2.BMICat	1	(omitted)				
1.depressionBinary		.3234718	.1119747	-3.26	0.002	.1624041	.6
> 44282	_cons	.1722757	.0525408	-5.77	0.000	.0938828	.31
> 61275							
> —							
5		(base outcome)					

> — Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

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190 .
end of do-file

191 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

192 . svy, subpop(if BMIcat ==2): mlogit doingAbtWt i.fsAny##i.Race##i.Male i.ageNe
> w i.eduNew i.BMIcat i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =       75          Number of obs      =    21,525
Number of PSUs        =      154          Population size  = 182,739,069
                                         Subpop. no. obs  =      5,281
                                         Subpop. size    = 48,398,829.4
                                         Design df       =       79
                                         F( 79, 1)       =       .
                                         Prob > F        =       .



|         |                 | RRR      | Linearized |       | t     | P> t     | [95% Conf. Inte |
|---------|-----------------|----------|------------|-------|-------|----------|-----------------|
| > _____ | doingAbtWt      |          | Std. Err.  |       |       |          |                 |
| > rval] |                 |          |            |       |       |          |                 |
| > _____ |                 |          |            |       |       |          |                 |
| 1       | 1.fsAny         | .8600021 | .2452063   | -0.53 | 0.598 | .4875593 | 1.5             |
| > 16951 | Race            |          |            |       |       |          |                 |
| > 56239 | 1               | .5948278 | .1715937   | -1.80 | 0.076 | .3349811 | 1.0             |
| > 37505 | 2               | .6994994 | .1708738   | -1.46 | 0.147 | .4301516 | 1.1             |
| > 34614 | 3               | .3189418 | .1312395   | -2.78 | 0.007 | .1406072 | .72             |
| > 74545 | fsAny#Race      |          |            |       |       |          |                 |
| > 51137 | 1 1             | .8985574 | .4192672   | -0.23 | 0.819 | .3549745 | 2.2             |
| > 76911 | 1 2             | 1.390192 | .6550067   | 0.70  | 0.486 | .5442298 | 3.5             |
| > 74304 | 1 3             | 2.048169 | 1.461588   | 1.00  | 0.318 | .4948731 | 8.4             |
| > 27308 | 1.Male          | .2781056 | .0463221   | -7.68 | 0.000 | .19963   | .38             |
| > 99405 | fsAny#Male      |          |            |       |       |          |                 |
| > 23713 | 1 1             | 1.107449 | .480658    | 0.24  | 0.815 | .466806  | 2.6             |
| > 54339 | Race#Male       |          |            |       |       |          |                 |
| > 48513 | 1 1             | .8307127 | .3451527   | -0.45 | 0.657 | .3633157 | 1.8             |
| > 54097 | 2 1             | .9799765 | .4063868   | -0.05 | 0.961 | .4292794 | 2.              |
| > 1     | 3 1             | 2.117854 | 1.169062   | 1.36  | 0.178 | .7058649 | 6.3             |
| > 1     | fsAny#Race#Male |          |            |       |       |          |                 |
| > 1     | 1 1 1           | 1.46349  | 1.101718   | 0.51  | 0.614 | .3270672 | 6.5             |
| > 1     | 2 1             | 1.73543  | 1.234954   | 0.77  | 0.441 | .4209779 | 7.1             |
| > 1     | 3 1             | 1.134429 | 1.227282   | 0.12  | 0.907 | .1316986 | 9.7             |


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> 71774

	ageNew						
> 11673	2	.9406285	.1918556	-0.30	0.765	.6267612	1.4
> 23039	3	1.164216	.2293058	0.77	0.442	.7866319	1.7
> 38909	4	.9482239	.198677	-0.25	0.800	.6248683	1.4
	eduNew						
> 88748	1	1.342264	.3598662	1.10	0.276	.7871865	2.2
> 58308	2	2.019781	.453635	3.13	0.002	1.291678	3.1
	2.BMICat						
1.depressionBinary	1	(omitted)					
> 08902	1.066331	.3393081	0.20	0.841	.566012	2.0	
	_cons	.1921663	.0512955	-6.18	0.000	.1129613	.32
> -----							
2	1.fsAny	2.058766	.7147044	2.08	0.041	1.031607	4.1
> 08653	Race						
> 72339	1	1.078026	.3271739	0.25	0.805	.5892188	1.9
> 83206	2	1.057785	.2775318	0.21	0.831	.6274701	1.7
> 96535	3	.7684135	.3278674	-0.62	0.539	.3286656	1.7
	fsAny#Race						
> 84179	1 1	1.016241	.4958872	0.03	0.974	.3847531	2.6
> 65535	1 2	1.126286	.5083034	0.26	0.793	.4586885	2.7
> 83036	1 3	.5992378	.462314	-0.66	0.509	.1290267	2.7
	1.Male	.988042	.2369707	-0.05	0.960	.6129836	1.5
	fsAny#Male						
> 90396	1 1	1.098792	.4943319	0.21	0.835	.4487604	2.6
	Race#Male						
> 66754	1 1	1.311661	.4424028	0.80	0.424	.670284	2.5
> 90117	2 1	1.031748	.4133048	0.08	0.938	.4648249	2.2
> 70766	3 1	.7528904	.4175716	-0.51	0.610	.2496268	2.2
	fsAny#Race#Male						
> 70567	1 1 1	.4635596	.2985635	-1.19	0.236	.1286315	1.6
> 01881	1 2 1	.3977159	.2783773	-1.32	0.192	.0987452	1.6
> 50762	1 3 1	1.857262	1.851384	0.62	0.536	.2553687	13.
	ageNew						

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> 81887	2		1.191793	.2408278	0.87	0.388	.7971155	1.7
> 20255	3		.810291	.1666712	-1.02	0.310	.5380608	1.2
> 59835	4		1.621895	.3055618	2.57	0.012	1.114714	2.3
> 49835	eduNew							
	1		1.117613	.2186883	0.57	0.571	.7570812	1.6
> 18339	2		.9221047	.1290585	-0.58	0.564	.6978986	1.2
> 27844	2.BMICat		1	(omitted)				
1.depressionBinary			2.741663	.5298431	5.22	0.000	1.866189	4.0
> 71361	_cons		.0952142	.0239648	-9.34	0.000	.0576936	.15
> -----								
3	1.fsAny		.589344	.1148102	-2.71	0.008	.3999142	.8
> 68502	Race							
> 70835	1		.2974435	.0674377	-5.35	0.000	.189415	.46
> 19829	2		.5472112	.11186	-2.95	0.004	.36429	.82
> 86825	3		.5767829	.0943211	-3.37	0.001	.4165341	.79
> 33312	fsAny#Race							
	1 1		.9699031	.406412	-0.07	0.942	.4212183	2.2
> 38002	1 2		1.748594	.5789872	1.69	0.095	.9046041	3.
> 21687	1 3		1.844379	.650515	1.74	0.087	.91403	3.7
> 34147	1.Male		.1421078	.0220075	-12.60	0.000	.104411	.19
> 56808	fsAny#Male							
	1 1		.6664994	.2840699	-0.95	0.344	.2853412	1.5
> 38079	Race#Male							
	1 1		1.662817	.6068324	1.39	0.167	.8042168	3.4
> 27023	2 1		1.753203	.590359	1.67	0.099	.8969073	3.4
> 48916	3 1		2.207514	.69979	2.50	0.015	1.174553	4.1
> 04825	fsAny#Race#Male							
	1 1 1		2.932402	1.954174	1.61	0.110	.7783116	11.
> 12111	1 2 1		1.186602	.7962572	0.25	0.799	.3120544	4.5
> 12692	1 3 1		1.030907	.7871552	0.04	0.968	.2255121	4.7
> 70133	ageNew							
	2		.8366864	.1034436	-1.44	0.153	.6541654	1.0
	3		.6979191	.1004338	-2.50	0.015	.5240926	.9

> 29399							
> 08613	4	.7786568	.1012263	-1.92	0.058	.6011289	1.0
> 86258	eduNew 1	1.662647	.2660516	3.18	0.002	1.209135	2.2
> 05715	2	3.311809	.5122195	7.74	0.000	2.434259	4.5
> 13662	2.BMIcat 1.depressionBinary	1 1.011881	(omitted) .2047303	0.06	0.954	.676441	1.5
> 13019	_cons	.5787897	.1189447	-2.66	0.009	.3844793	.87
> -----							
4	1.fsAny	.7361352	.168538	-1.34	0.185	.4667065	1.1
> 61105	Race 1	.2876409	.1052419	-3.41	0.001	.1388574	.59
> 58435	2	.553335	.1380719	-2.37	0.020	.3367339	.90
> 92629	3	.3230882	.1053525	-3.46	0.001	.1688279	.61
> 82979	fsAny#Race 1 1	.8970115	.5404946	-0.18	0.857	.2703513	2.9
> 76237	1 2	1.350121	.5693551	0.71	0.479	.5832196	3.1
> 25457	1 3	3.070977	1.800455	1.91	0.059	.9560285	9.8
> 64662	1.Male	.4628054	.0834228	-4.27	0.000	.32328	.6
> 62549	fsAny#Male 1 1	.8691184	.40102	-0.30	0.762	.34691	2.1
> 77414	Race#Male 1 1	1.311806	.6950276	0.51	0.610	.4569484	3.7
> 65931	2 1	1.550586	.5800232	1.17	0.244	.7364385	3.2
> 64788	3 1	2.08441	.9933574	1.54	0.127	.807273	5.3
> 82028	fsAny#Race#Male 1 1 1	3.187923	3.256016	1.14	0.260	.4174476	24.
> 34521	1 2 1	.5088338	.3900643	-0.88	0.381	.110639	2.3
> 40151	1 3 1	.5389005	.5043965	-0.66	0.511	.08364	3.4
> 72186	ageNew 2	1.086219	.2156039	0.42	0.678	.7317016	1.6
> 12503	3	.8951012	.1785639	-0.56	0.580	.6017617	1.3
> 31434	4	.995504	.1606699	-0.03	0.978	.7219814	1.3
> 72651							

	eduNew						
> 00752	1	1.301042	.3435761	1.00	0.322	.7691514	2.2
> 45011	2	3.388187	.7110733	5.81	0.000	2.231251	5.1
	2.BMICat	1	(omitted)				
1.depressionBinary		.3318894	.1134811	-3.23	0.002	.1680427	.65
> 54917	_cons	.1851241	.0573031	-5.45	0.000	.0999734	.34
> 28004							
> —————							
5			(base outcome)				

> —————

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

193 .
end of do-file

194 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

195 . svy, subpop(if BMICat ==2): mlogit LikeToWeigh i.fsAny, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,745
Number of PSUs	=	154	Population size	=	191,419,335
			Subpop. no. obs	=	6,501
			Subpop. size	=	57,079,095.8
			Design df	=	79
			F(2, 78)	=	54.88
			Prob > F	=	0.0000

LikeToWeigh	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	.6384942	.0634693	-4.51	0.000	.5238747	.7781916
_cons	.7307008	.0364801	-6.28	0.000	.6615802	.807043
0		(base outcome)				
1						
1.fsAny	2.048289	.18867	7.78	0.000	1.705166	2.460458
_cons	.2788909	.0141488	-25.17	0.000	.2521037	.3085244

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```

196 .
end of do-file

197 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

198 . svy, subpop(if BMIcat ==2): mlogit LikeToWeigh i.fsAny i.ageNew i.eduNew i.Ra
> ce i.Male, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata      =       75
Number of PSUs        =      154
Number of obs          =    22,436
Population size        = 189,749,270
Subpop. no. obs        =      6,192
Subpop. size           = 55,409,030.7
Design df              =       79
F( 20, 60)             =      47.22
Prob > F               =     0.0000

```

LikeToWeigh	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	.8707362	.0992443	-1.21	0.228	.6940005	1.09248
ageNew						
2	1.223125	.1307746	1.88	0.063	.9886578	1.513197
3	1.413406	.1539601	3.18	0.002	1.137902	1.755615
4	1.0552	.1222589	0.46	0.644	.8378718	1.328898
eduNew						
1	1.334467	.2063005	1.87	0.066	.9810036	1.815287
2	2.028745	.2567326	5.59	0.000	1.57701	2.609879
Race						
1	.3974995	.0438608	-8.36	0.000	.3191119	.4951315
2	.6175909	.0678639	-4.39	0.000	.496263	.7685814
3	.8378892	.0874285	-1.70	0.094	.6807498	1.031302
1.Male						
_cons	.1711473	.0159366	-18.96	0.000	.1421924	.2059983
	.6836242	.1006423	-2.58	0.012	.5099827	.9163881
0	(base outcome)					
1						
1.fsAny	1.642865	.1517048	5.38	0.000	1.36703	1.974358
ageNew						
2	.7613115	.0971211	-2.14	0.036	.5905884	.981386
3	.6384172	.088389	-3.24	0.002	.4846435	.8409821
4	.5100917	.0610293	-5.63	0.000	.4019974	.6472517
eduNew						
1	1.295839	.1649239	2.04	0.045	1.005847	1.669438
2	.9309133	.1137627	-0.59	0.560	.7299108	1.187268
Race						
1	2.8345	.3104506	9.51	0.000	2.279281	3.524967
2	1.125362	.1156541	1.15	0.254	.9171773	1.380802
3	1.056514	.156482	0.37	0.712	.786758	1.41876
1.Male						
_cons	3.851361	.3788848	13.71	0.000	3.166454	4.684414
	.1289868	.0198235	-13.33	0.000	.0949932	.1751451

Note: `_cons` estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

199 .
 end of do-file
 200 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
 201 . svy, subpop(if BMIcat ==2): mlogit LikeToWeigh i.fsAny i.ageNew i.eduNew i.Ra
> ce i.Male i.BMIcat, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,436
Number of PSUs	=	154	Population size	=	189,749,270
			Subpop. no. obs	=	6,192
			Subpop. size	=	55,409,030.7
			Design df	=	79
			F(20, 60)	=	47.22
			Prob > F	=	0.0000

LikeToWeigh	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	.8707362	.0992443	-1.21	0.228	.6940005	1.09248
ageNew						
2	1.223125	.1307746	1.88	0.063	.9886578	1.513197
3	1.413406	.1539601	3.18	0.002	1.137902	1.755615
4	1.0552	.1222589	0.46	0.644	.8378718	1.328898
eduNew						
1	1.334467	.2063005	1.87	0.066	.9810036	1.815287
2	2.028745	.2567326	5.59	0.000	1.57701	2.609879
Race						
1	.3974995	.0438608	-8.36	0.000	.319119	.4951315
2	.6175909	.0678639	-4.39	0.000	.496263	.7685814
3	.8378892	.0874285	-1.70	0.094	.6807498	1.031302
1.Male	.1711473	.0159366	-18.96	0.000	.1421924	.2059983
2.BMIcat		1 (omitted)				
_cons	.6836242	.1006423	-2.58	0.012	.5099827	.9163881
0	(base outcome)					
1						
1.fsAny	1.642865	.1517048	5.38	0.000	1.36703	1.974358
ageNew						
2	.7613115	.0971211	-2.14	0.036	.5905884	.981386
3	.6384172	.088389	-3.24	0.002	.4846435	.8409821
4	.5100917	.0610293	-5.63	0.000	.4019974	.6472517
eduNew						
1	1.295839	.1649239	2.04	0.045	1.005847	1.669438
2	.9309133	.1137627	-0.59	0.560	.7299108	1.187268
Race						
1	2.8345	.3104506	9.51	0.000	2.279281	3.524967
2	1.125362	.1156541	1.15	0.254	.9171773	1.380802
3	1.056514	.156482	0.37	0.712	.786758	1.41876
1.Male	3.851361	.3788848	13.71	0.000	3.166454	4.684414
2.BMIcat		1 (omitted)				
_cons	.1289868	.0198235	-13.33	0.000	.0949932	.1751451

Note: `_cons` estimates baseline relative risk for each outcome.
 Note: 3 strata omitted because they contain no subpopulation members.

```
202 .
end of do-file

203 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

204 . svy, subpop(if BMIcat ==2): mlogit LikeToWeigh i.fsAny i.ageNew i.eduNew i.Ra
> ce i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,436
Number of PSUs	=	154	Population size	=	189,749,270
			Subpop. no. obs	=	6,192
			Subpop. size	=	55,409,030.7
			Design df	=	79
			F(22, 58)	=	44.43
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
>	LikeToWeigh						
> rval]							
> -1							
> 73375	1.fsAny	.8567518	.0970257	-1.37	0.176	.6838463	1.0
> 13549	ageNew						
> 50908	2	1.223056	.1309445	1.88	0.064	.9883175	1.5
> 23936	3	1.409651	.153534	3.15	0.002	1.134906	1.7
> 28301	4	1.051433	.1217352	0.43	0.666	.8350193	1.3
> 45953	eduNew						
> 95102	1	1.341324	.2087209	1.89	0.063	.9840554	1.8
> 98191	2	2.046028	.2643108	5.54	0.000	1.582125	2.6
> 32901	Race						
> 70315	1	.3975337	.0438355	-8.37	0.000	.3191929	.4
> 32036	2	.6189777	.0678191	-4.38	0.000	.4976927	.76
> 56795	3	.8408786	.0868906	-1.68	0.097	.6845543	1.0
>	1.Male						
> 0	2.BMIcat	1	(omitted)				
> 0	1.depressionBinary	1.226757	.2125837	1.18	0.242	.8688804	1.7
> 0	_cons	.672905	.1004333	-2.65	0.010	.4999574	.90
>							
0		(base outcome)					

> -----							
1	1.fsAny	1.515314	.1383327	4.55	0.000	1.263537	1.8
> 17261							
	ageNew						
> 51674	2	.755988	.0966928	-2.19	0.032	.5860715	.97
> 47031	3	.625693	.0868113	-3.38	0.001	.4747063	.82
> 78899	4	.4931453	.0598481	-5.83	0.000	.3873168	.62
	eduNew						
> 00909	1	1.323231	.1669198	2.22	0.029	1.029414	1.7
> 25462	2	.9589645	.1181424	-0.34	0.735	.7504213	1.2
	Race						
> 71406	1	2.859992	.3191841	9.42	0.000	2.29029	3.5
> 22653	2	1.158404	.1195857	1.42	0.158	.9432372	1.4
> 52054	3	1.0802	.160546	0.52	0.605	.8035734	1.4
	1.Male						
> 58888	2.BMICat	1	(omitted)				
1.depressionBinary		2.291886	.3933834	4.83	0.000	1.628616	3.2
> 25279	_cons	.1187825	.0184915	-13.69	0.000	.0871326	.16
> 19289							

> -----

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

205 .

end of do-file

206 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

207 . svy, subpop(if BMICat ==2): mlogit LikeToWeigh i.fsAny##i.Race i.ageNew i.edu
> New i.Male i.BMICat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,436
Number of PSUs	=	154	Population size	=	189,749,270
			Subpop. no. obs	=	6,192
			Subpop. size	=	55,409,030.7
			Design df	=	79
			F(28, 52)	=	32.77
			Prob > F	=	0.0000

	LikeToWeigh	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte
> rval]						
> -1						
> 21826	1.fsAny	.8196044	.1292503	-1.26	0.211	.5988021 1.1
> 14194	Race					
	1	.399467	.0506686	-7.23	0.000	.3103379 .5
> 06118	2	.6211289	.0792111	-3.73	0.000	.4818829 .80
> 79555	3	.7982676	.0895401	-2.01	0.048	.6385366 .99
> 61664	fsAny#Race					
	1 1	1.016498	.2369522	0.07	0.944	.6391456 1.
> 56233	1 2	1.008979	.2216408	0.04	0.968	.651616 1.
> 31627	1 3	1.430182	.4103196	1.25	0.216	.8079466 2.5
> 16101	ageNew					
	2	1.225031	.1311999	1.90	0.062	.9898425 1.5
> 52132	3	1.410158	.1538297	3.15	0.002	1.134928 1.7
> 22073	4	1.050364	.1214055	0.43	0.672	.8344952 1.3
> 28178	eduNew					
	1	1.342867	.2081399	1.90	0.061	.9863869 1.8
> 41954	2	2.043584	.2636688	5.54	0.000	1.580738 2.6
> 71929	1.Male	.1719025	.016126	-18.77	0.000	.142623 .20
1.depressionBinary	2.BMICat	1	(omitted)			
> 39979		1.231148	.2139647	1.20	0.235	.8711168 1.7
> 07902	_cons	.6768945	.1009321	-2.62	0.011	.5030645 .91
> 0		(base outcome)				
> 1						
> 17317	1.fsAny	1.649812	.2450424	3.37	0.001	1.227556 2.2
> 64165	Race					
	1	3.178935	.4311665	8.53	0.000	2.426808 4.1
> 98533	2	1.084908	.1384055	0.64	0.525	.841614 1.3
> 36347	3	1.223985	.2150232	1.15	0.253	.8628106 1.7
>	fsAny#Race					
	1 1	.7527147	.1783887	-1.20	0.234	.469638 1.2

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> 06418	1 2		1.108001	.244965	0.46	0.644	.7135474	1.
> 72051	1 3		.5766724	.2267769	-1.40	0.165	.2636251	1.2
> 61454	ageNew							
	2		.7526656	.0961563	-2.22	0.029	.583668	.97
> 05955	3		.6206335	.0861935	-3.43	0.001	.4707407	.81
> 82551	4		.4940812	.0596333	-5.84	0.000	.3885655	.62
> 82498	eduNew							
	1		1.329169	.1687436	2.24	0.028	1.032371	1.7
> 11294	2		.9595261	.1189185	-0.33	0.740	.7497605	1.2
> 27979	1.Male		3.98595	.3949269	13.96	0.000	3.272527	4.8
> 54902	2.BMICat		1 (omitted)					
1.depressionBinary			2.29403	.3947867	4.82	0.000	1.628676	3.2
> 31197	_cons		.1162319	.0183739	-13.61	0.000	.0848544	.15
> 92122								

> ———

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

208 .
end of do-file

209 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
210 . svy, subpop(if BMICat ==2): mlogit LikeToWeigh i.fsAny##i.Male i.ageNew i.edu
> New i.Race i.BMICat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,436
Number of PSUs	=	154	Population size	=	189,749,270
			Subpop. no. obs	=	6,192
			Subpop. size	=	55,409,030.7
			Design df	=	79
			F(24, 56)	=	39.37
			Prob > F	=	0.0000

> ———								
	LikeToWeigh		Linearized					
> rval]			RRR	Std. Err.	t	P> t	[95% Conf.	Inte
> ———								
-1	1.fsAny		.8975883	.1080533	-0.90	0.372	.7063406	1.1
> 40618	1.Male		.1750374	.0186311	-16.37	0.000	.1416182	.21
> 63428	fsAny#Male							
	1 1		.9161976	.2029708	-0.40	0.694	.5895005	1.4
> 23948								

	ageNew						
> 16089	2	1.22435	.1314639	1.89	0.063	.9887508	1.5
> 53263	3	1.413017	.1531618	3.19	0.002	1.1388	1.7
> 26793	4	1.053321	.122145	0.45	0.655	.8362162	1.3
	eduNew						
> 29152	1	1.34199	.2088032	1.89	0.062	.9845755	1.8
> 48286	2	2.04714	.2648018	5.54	0.000	1.582451	2.6
	Race						
> 53802	1	.3975832	.0439283	-8.35	0.000	.3190931	.49
> 92728	2	.6184364	.0678111	-4.38	0.000	.4971755	.76
> 32815	3	.8403204	.0870782	-1.68	0.097	.6837025	1.0
	2.BMICat	1	(omitted)				
1.depressionBinary		1.227293	.2131951	1.18	0.242	.8685296	1.
> 73425	_cons	.6658593	.0995512	-2.72	0.008	.4944719	.89
> _____							
0		(base outcome)					
> _____							
1							
> 62135	1.fsAny	2.056636	.3047391	4.87	0.000	1.531335	2.7
> 87594	1.Male	4.56519	.5789046	11.97	0.000	3.54683	5.
	fsAny#Male						
> 52848	1 1	.6581166	.1197251	-2.30	0.024	.4581872	.94
	ageNew						
> 63263	2	.75728	.0966603	-2.18	0.032	.5873783	.97
> 53779	3	.6333242	.088105	-3.28	0.002	.4801415	.83
> 07267	4	.4950083	.0602575	-5.78	0.000	.3884934	.63
	eduNew						
> 90194	1	1.318874	.164368	2.22	0.029	1.02913	1.6
> 20129	2	.955463	.1173735	-0.37	0.712	.7482072	1.2
	Race						
> 40867	1	2.839651	.3148455	9.41	0.000	2.2773	3.5
> 21115	2	1.158799	.1187979	1.44	0.154	.9449031	1.4
> 51148	3	1.079432	.1604792	0.51	0.609	.8029315	1.4
	2.BMICat	1	(omitted)				
1.depressionBinary		2.271929	.3889241	4.79	0.000	1.615898	3

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> .1943
 _cons | .1072915 .0175444 -13.65 0.000 .0774838 .1
> 48566
|

> —

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

211 .
end of do-file

212 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

213 . svy, subpop(if BMIcat ==2): mlogit LikeToWeigh i.fsAny##i.Race##i.Male i.ageN
> ew i.eduNew i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,436
Number of PSUs	=	154	Population size	=	189,749,270
			Subpop. no. obs	=	6,192
			Subpop. size	=	55,409,030.7
			Design df	=	79
			F(42, 38)	=	18.08
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
LikeToWeigh							
> rval]							
> —							
-1	1.fsAny	.804806	.1272565	-1.37	0.174	.5874963	1.1
> 02497	Race						
> 12336	1	.3866316	.0617168	-5.95	0.000	.2813904	.53
> 95152	2	.6724938	.0906742	-2.94	0.004	.5142014	.87
> 04244	3	.7723951	.1018611	-1.96	0.054	.5940726	1.0
> 97163	fsAny#Race						
> 1 1	1.244163	.326361	0.83	0.407	.7381125	2.0	
> 09129	1 2	1.077814	.2496544	0.32	0.747	.6796936	1.7
> 63249	1 3	1.605442	.4943378	1.54	0.128	.8698036	2.9
> 22712	1.Male	.170284	.0227933	-13.23	0.000	.1304561	.22
> 73098	fsAny#Male						
> 1 1	1.049841	.3053635	0.17	0.868	.5884188	1.8	
> 10188	Race#Male						
> 1 1	1.51965	.4693598	1.35	0.179	.8217723	2.8	
> 52186	2 1	.8048128	.2386459	-0.73	0.466	.4460337	1.4
> 3 1	1.337346	.3595077	1.08	0.283	.7831828	2.2	

> 83624

	fsAny#Race#Male						
> 66227	1 1 1	.6253051	.3262038	-0.90	0.371	.2213796	1.7
> 11484	1 2 1	1.020848	.5548255	0.04	0.970	.3460521	3.0
> 10026	1 3 1	.6296933	.424602	-0.69	0.495	.1645267	2.4
	ageNew						
> 14378	2	1.222452	.1315196	1.87	0.066	.9868007	1.5
> 49767	3	1.410076	.1529049	3.17	0.002	1.13633	1.7
> 26128	4	1.053106	.121963	0.45	0.656	.8362936	1.3
	eduNew						
> 22389	1	1.338593	.2074884	1.88	0.064	.9832318	1.8
> 32731	2	2.035452	.2631211	5.50	0.000	1.573676	2.6
	2.BMICat						
1.depressionBinary	1	(omitted)					
> 24734	1.221338	.2117689	1.15	0.252	.8648677	1.7	
	_cons	.6689003	.1006301	-2.67	0.009	.4958084	.90
> _____							
0		(base outcome)					

	1.fsAny	2.053839	.6021374	2.45	0.016	1.145862	3.6
> 81293	Race						
> 09147	1	7.270229	1.8581	7.76	0.000	4.371365	12.
> 78054	2	2.577804	.715212	3.41	0.001	1.48392	4.4
> 42792	3	2.876431	.8396784	3.62	0.001	1.608826	5.1
	fsAny#Race						
> 96947	1 1	.7932117	.3258821	-0.56	0.574	.3501411	1.7
> 32714	1 2	1.137519	.4574433	0.32	0.750	.510894	2.5
> 39846	1 3	.437373	.2903964	-1.25	0.217	.1166544	1.6
	1.Male	7.659482	1.618773	9.63	0.000	5.029285	11.
	fsAny#Male						
> 05451	1 1	.7850504	.2567993	-0.74	0.462	.4093817	1.5
	Race#Male						
> 94667	1 1	.343584	.0989354	-3.71	0.000	.1936939	.60
> 64438	2 1	.3239656	.114941	-3.18	0.002	.1598823	.65
	3 1	.3391738	.1144273	-3.20	0.002	.1732946	.66

> 38343

	fsAny#Race#Male						
> 81271	1 1 1	.8103036	.3428942	-0.50	0.621	.3490151	1.8
> 59956	1 2 1	.8733597	.4361645	-0.27	0.787	.3232082	2.3
> 77135	1 3 1	1.382514	1.061875	0.42	0.674	.2997185	6.3
	ageNew						
> 61355	2	.7476298	.0944414	-2.30	0.024	.5814193	.9
> 98292	3	.6266502	.0884137	-3.31	0.001	.4732184	.82
> 04488	4	.504082	.0606357	-5.69	0.000	.396751	.64
	eduNew						
> 75264	1	1.305603	.1635279	2.13	0.036	1.017511	1.6
> 94705	2	.9393362	.1134883	-0.52	0.606	.7385524	1.1
	2.BMICat						
1.depressionBinary	1	(omitted)					
> 07661	2.207657	.3792525	4.61	0.000	1.568301	3.1	
	_cons	.0690286	.0149747	-12.32	0.000	.044823	.10
> 63058							

> _____

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

214 .
end of do-file

215 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

216 . svy, subpop(if BMICat ==2): mlogit ConsiderWt i.fsAny, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,741
Number of PSUs	=	154	Population size	=	191,387,906
			Subpop. no. obs	=	6,497
			Subpop. size	=	57,047,666.9
			Design df	=	79
			F(2, 78)	=	45.41
			Prob > F	=	0.0000

ConsiderWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	2.153463	.1946671	8.49	0.000	1.798848	2.577986
_cons	.1086299	.0076864	-31.37	0.000	.0943591	.125059
0	(base outcome)					
1						
1.fsAny	.7089921	.0844924	-2.89	0.005	.5592728	.8987919
_cons	.2306623	.0128701	-26.29	0.000	.2064163	.2577563

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

```
217 .
end of do-file
```

```
218 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
219 . svy, subpop(if BMIcat ==2): mlogit ConsiderWt i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male, rrr baseoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,432
Number of PSUs	=	154	Population size	=	189,717,841
			Subpop. no. obs	=	6,188
			Subpop. size	=	55,377,601.8
			Design df	=	79
			F(20, 60)	=	22.90
			Prob > F	=	0.0000

ConsiderWt	Linearized					
	RRR	Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.696567	.1654006	5.42	0.000	1.397319	2.059902
ageNew						
2	.9361557	.1379788	-0.45	0.656	.6981346	1.255327
3	.9151445	.1603196	-0.51	0.614	.6457323	1.296961
4	1.143913	.1595574	0.96	0.338	.8665979	1.509971
eduNew						
1	1.207729	.1708094	1.33	0.186	.911405	1.600397
2	.6897942	.1030474	-2.49	0.015	.5123677	.9286612
Race						
1	1.665843	.1935632	4.39	0.000	1.321874	2.099318
2	1.213241	.1650212	1.42	0.159	.9254835	1.590471
3	1.099101	.2046589	0.51	0.613	.7587065	1.592215
1.Male	3.255346	.3609563	10.64	0.000	2.61064	4.059264
_cons	.0596187	.0121523	-13.83	0.000	.0397356	.0894511
0	(base outcome)					
1						
1.fsAny	.9886671	.1290782	-0.09	0.931	.7624133	1.282064
ageNew						
2	1.609577	.2149189	3.56	0.001	1.23392	2.099599
3	2.081431	.2255869	6.76	0.000	1.677542	2.582562
4	1.767763	.2321945	4.34	0.000	1.361069	2.295979
eduNew						
1	1.104054	.1674095	0.65	0.516	.8164204	1.493025
2	1.301551	.1898025	1.81	0.075	.9736467	1.739886
Race						
1	.5008921	.0831303	-4.17	0.000	.3599794	.6969647
2	.8846928	.107576	-1.01	0.317	.6945107	1.126954
3	1.150019	.1412207	1.14	0.258	.9006437	1.468444
1.Male	.178777	.0221995	-13.86	0.000	.1396273	.2289038
_cons	.19514	.0327853	-9.73	0.000	.139673	.2726341

Note: **_cons** estimates baseline relative risk for each outcome.
 Note: 3 strata omitted because they contain no subpopulation members.

```
220 .
end of do-file

221 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

222 . svy, subpop(if BMIcat ==2): mlogit ConsiderWt i.fsAny i.ageNew i.eduNew i.Rac
> e i.Male i.BMIcat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,432
Number of PSUs	=	154	Population size	=	189,717,841
			Subpop. no. obs	=	6,188
			Subpop. size	=	55,377,601.8
			Design df	=	79
			F(22, 58)	=	21.62
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
>	_____						
	ConsiderWt						
> _____							
> rval]							
> _____							
-1							
> 48388	1.fsAny	1.525663	.1470781	4.38	0.000	1.259285	1.8
> 50456	ageNew						
> 50456	2	.9314294	.1378313	-0.48	0.633	.6937954	1.2
> 66745	3	.8928887	.1568903	-0.64	0.521	.6293692	1.2
> 63033	4	1.104998	.1558127	0.71	0.481	.8345823	1.4
> 36459	eduNew						
> 36459	1	1.238374	.1734176	1.53	0.131	.9371268	1.6
> 62792	2	.7174114	.1060332	-2.25	0.027	.5345694	.9
> 13223	Race						
> 13223	1	1.687668	.1982526	4.46	0.000	1.335795	2.
> 62505	2	1.262923	.1744197	1.69	0.095	.95938	1.6
> 47309	3	1.132836	.213095	0.66	0.509	.7790385	1.6
> 85637	1.Male	3.346622	.376128	10.75	0.000	2.675789	4.1
> 47188	2.BMIcat	1	(omitted)				
> 47188	1.depressionBinary	2.720334	.4736791	5.75	0.000	1.923539	3.8
> 08652	_cons	.054035	.0109444	-14.41	0.000	.0361068	.08
> _____							
0		(base outcome)					
> _____							

1							
> 01931	1.fsAny	.9211251	.1231386	-0.61	0.541	.7059234	1.2
> 00944	ageNew	2	1.612408	.214392	3.59	0.001	1.237473
> 64758		3	2.067486	.2238724	6.71	0.000	1.666628
> 80479		4	1.756283	.2304583	4.29	0.000	1.35258
> 36308	eduNew	1	1.128597	.1748684	0.78	0.437	.8290858
> 14291		2	1.352989	.1994213	2.05	0.044	1.008978
> 57808	Race	1	.489405	.0829508	-4.22	0.000	.3492621
> 29716		2	.8887249	.1071292	-0.98	0.331	.6991419
> 1.486		3	1.167529	.1414787	1.28	0.205	.9173107
> 10579	1.Male		.1801721	.0225169	-13.71	0.000	.1404929
> 99922	2.BMICat	1	(omitted)				
1.depressionBinary		1.947051	.3553549	3.65	0.000	1.353969	2.7
> 68988	_cons		.1833929	.0310547	-10.02	0.000	.1309191
							.25

> _____

Note: **cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

223 .
end of do-file

224 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

225 . svy, subpop(if BMICat ==2): mlogit ConsiderWt i.fsAny##i.Race i.ageNew i.eduN
> ew i.Male i.BMICat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,432
Number of PSUs	=	154	Population size	=	189,717,841
			Subpop. no. obs	=	6,188
			Subpop. size	=	55,377,601.8
			Design df	=	79
			F(28, 52)	=	17.37
			Prob > F	=	0.0000

	ConsiderWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte
> _____	rval]					
> _____						
-1						
> 31948	1.fsAny	1.69525	.2670164	3.35	0.001	1.239016 2.
> 55389	Race 1	1.824582	.2721904	4.03	0.000	1.355833 2.4
> 80375	2	1.311119	.2374997	1.50	0.139	.9142959 1.8
> 15749	3	1.270689	.2945747	1.03	0.305	.8010174 2.0
> 98072	fsAny#Race 1 1	.8058333	.1930155	-0.90	0.370	.5002553 1.2
> 59787	1 2	.8769981	.2245051	-0.51	0.610	.5268754 1.4
> 43905	1 3	.6215996	.2841142	-1.04	0.301	.2502654 1.5
> 43659	ageNew 2	.9273381	.1367373	-0.51	0.610	.6914727 1.2
> 59907	3	.888668	.1558476	-0.67	0.503	.6268167 1.2
> 66993	4	1.110021	.1554992	0.75	0.458	.8399134 1.4
> 31297	eduNew 1	1.236799	.1720244	1.53	0.131	.9377034 1.6
> 13027	2	.7175911	.1054114	-2.26	0.027	.5356658 .96
> 85373	1.Male	3.344945	.3766762	10.72	0.000	2.673275 4.1
> 08062	2.BMICat 1	(omitted)				
> 08062	1.depressionBinary	2.706275	.4643775	5.80	0.000	1.923269 3.8
> 91514	_cons	.0526786	.0107756	-14.39	0.000	.0350598 .07
> _____						
0		(base outcome)				
> _____						
1						
> 06925	1.fsAny	.971683	.1806884	-0.15	0.878	.6710861 1.4
> 63602	Race 1	.5500407	.1124809	-2.92	0.005	.3661174 .82
> 58562	2	.954968	.1324407	-0.33	0.741	.7246076 1.2
> 63786	3	1.141044	.1427889	1.05	0.295	.8894615 1.4
> _____						
	fsAny#Race 1 1	.6872152	.2324623	-1.11	0.271	.350494 1.3

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> 47426	1 2	.7678226	.2223918	-0.91	0.364	.4314042	1.3
> 66587	1 3	1.156962	.3149742	0.54	0.594	.672948	1.9
> 89101	ageNew 2	1.620266	.2164372	3.61	0.001	1.241975	2.1
> 13778	3	2.075108	.2225637	6.81	0.000	1.6762	2.5
> 68949	4	1.762916	.2310483	4.33	0.000	1.358119	2.2
> 88367	eduNew 1	1.126416	.1750691	0.77	0.446	.8266967	1.5
> 34799	2	1.352987	.199873	2.05	0.044	1.008305	1.8
> 15495	1.Male	.1798507	.0225516	-13.68	0.000	.1401261	.23
> 08368	2.BMICat 1.depressionBinary	1.932314	(omitted) .3588481	3.55	0.001	1.33519	2.7
> 96483	_cons	.1817389	.0306996	-10.09	0.000	.1298449	.25
> 43728							

> ———

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

226 .
end of do-file

227 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"
228 . svy, subpop(if BMICat ==2): mlogit ConsiderWt i.fsAny##i.Male i.ageNew i.eduN
> ew i.Race i.BMICat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,432
Number of PSUs	=	154	Population size	=	189,717,841
			Subpop. no. obs	=	6,188
			Subpop. size	=	55,377,601.8
			Design df	=	79
			F(24, 56)	=	19.90
			Prob > F	=	0.0000

> ———							
	ConsiderWt		Linearized				
> rval]		RRR	Std. Err.	t	P> t	[95% Conf.	Inte
> ———							
-1	1.fsAny	1.791547	.3233276	3.23	0.002	1.250889	2.5
> 65886	1.Male	3.58868	.5394007	8.50	0.000	2.660749	4.8
> 40226	fsAny#Male 1 1	.8061142	.1861285	-0.93	0.353	.509097	1.2
> 76417							

	ageNew						
> 51357	2	.9325263	.1377794	-0.47	0.638	.6949301	1.2
> 74124	3	.8993165	.157403	-0.61	0.546	.6347658	1.2
> 64406	4	1.107248	.1555203	0.73	0.470	.8371984	1.4
	eduNew						
> 32103	1	1.236869	.1723061	1.53	0.131	.9373456	1.6
> 62377	2	.7172408	.1059383	-2.25	0.027	.5345455	.9
	Race						
> 26501	1	1.683909	.1974211	4.44	0.000	1.333434	2.1
> 60892	2	1.262455	.1739745	1.69	0.095	.9595999	1.6
> 46214	3	1.13241	.2128507	0.66	0.510	.7789709	1.6
	2.BMICat	1	(omitted)				
1.depressionBinary		2.706103	.4707542	5.72	0.000	1.914105	3.8
> 25804	_cons	.0513181	.0103139	-14.78	0.000	.0343981	.07
> 65607							
> 0			(base outcome)				
> 1							
> 24012	1.fsAny	.9067633	.1366706	-0.65	0.518	.6717417	1.2
> 55831	1.Male	.1757729	.0258629	-11.82	0.000	.1311473	.23
	fsAny#Male						
> 26436	1 1	1.136425	.3302259	0.44	0.661	.6373069	2.0
	ageNew						
> 98444	2	1.611112	.2139068	3.59	0.001	1.236956	2.0
> 59923	3	2.063941	.2233116	6.70	0.000	1.664054	2.5
> 81188	4	1.755678	.2309572	4.28	0.000	1.351228	2.2
	eduNew						
> 53534	1	1.1288	.1744405	0.78	0.435	.8299074	1.
> 13551	2	1.353943	.1988049	2.06	0.042	1.010813	1.8
	Race						
> 70732	1	.4903796	.0830897	-4.21	0.000	.3499949	.68
> 29759	2	.88907	.1070142	-0.98	0.332	.6996586	1.1
> 87635	3	1.16822	.1418605	1.28	0.204	.9173874	1.4
	2.BMICat	1	(omitted)				
1.depressionBinary		1.947888	.35459	3.66	0.000	1.355822	2

```
> .7985
      _cons |   .1837609   .0314932   -9.89   0.000   .1306484   .25
> 84652
-----
```

> -----

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

229 .
end of do-file

230 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD2668_000000.tmp"

231 . svy, subpop(if BMIcat ==2): mlogit ConsiderWt i.fsAny##i.Race##i.Male i.ageNe
> w i.eduNew i.BMICat i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,432
Number of PSUs	=	154	Population size	=	189,717,841
			Subpop. no. obs	=	6,188
			Subpop. size	=	55,377,601.8
			Design df	=	79
			F(42, 38)	=	10.94
			Prob > F	=	0.0000

		Linearized					
		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> -----							
-1	ConsiderWt						
> 70316	1.fsAny	1.449608	.4975102	1.08	0.283	.7321021	2.8
> 44088	Race						
> 01909	1	3.321618	.9140211	4.36	0.000	1.920783	5.7
> 37026	2	1.485314	.4736072	1.24	0.218	.7873764	2.8
> 29836	3	1.992997	.6558961	2.10	0.039	1.035187	3.8
> 13583	fsAny#Race						
> 43861	1 1	.8881	.4303272	-0.24	0.807	.3385309	2.3
> 98578	1 2	2.033422	.946524	1.52	0.131	.8050899	5.
> 86116	1 3	.8072952	.4962048	-0.35	0.729	.2375213	2.7
> 77386	1.Male	4.419959	1.016464	6.46	0.000	2.796543	6.
> 25428	fsAny#Male						
> 86116	1 1	1.230678	.5051954	0.51	0.615	.5436129	2.7
> 77386	Race#Male						
> 25428	1 1	.4466488	.1566522	-2.30	0.024	.2222196	.89
> 25428	2 1	.8506256	.3707564	-0.37	0.711	.3572401	2.0
> 25428	3 1	.5314523	.1747057	-1.92	0.058	.2762449	1.0

> 22432

	fsAny#Race#Male						
> 79649	1 1 1	.8748342	.5107551	-0.23	0.819	.2736769	2.
> 51768	1 2 1	.2973576	.1789547	-2.02	0.047	.089752	.98
> 84543	1 3 1	.7205056	.5907347	-0.40	0.690	.1408935	3.6
	ageNew						
> 26727	2	.9168064	.1341316	-0.59	0.554	.6851839	1.2
> 57095	3	.8880521	.1550519	-0.68	0.498	.6273486	1.2
> 48365	4	1.12505	.1563849	0.85	0.399	.8531243	1.
	eduNew						
> 22166	1	1.230179	.1709516	1.49	0.140	.9329137	1.6
> 21008	2	.7132667	.1034954	-2.33	0.022	.534344	.95
	2.BMICat						
1.depressionBinary	1	(omitted)					
> 35564	2.660613	.4535951	5.74	0.000	1.894991	3.7	
	_cons	.0429606	.0100344	-13.48	0.000	.0269873	.0
> 68388							
0		(base outcome)					
> 1							
> 63756	1.fsAny	.891324	.1904449	-0.54	0.592	.5825518	1.3
	Race						
> 03188	1	.4482739	.1013951	-3.55	0.001	.2857692	.7
> 50093	2	.9346204	.1365612	-0.46	0.645	.6987602	1.2
> 15004	3	1.061404	.1533299	0.41	0.681	.7961665	1.4
	fsAny#Race						
> 54422	1 1	.8416772	.3105882	-0.47	0.642	.4037914	1.7
> 31811	1 2	.9719596	.3094654	-0.09	0.929	.5157223	1.8
> 64783	1 3	1.307636	.4164326	0.84	0.402	.6937367	2.4
	1.Male						
> 82397		.1505295	.0314783	-9.06	0.000	.0992778	.22
	fsAny#Male						
> 49683	1 1	1.499216	.5826904	1.04	0.301	.6916519	3.2
	Race#Male						
> 15362	1 1	2.643439	1.047073	2.45	0.016	1.201606	5.8
> 20701	2 1	1.18064	.4951831	0.40	0.693	.512335	2.7
	3 1	1.703171	.6290005	1.44	0.153	.8166015	3.5

> 52273

	fsAny#Race#Male						
> 09142	1 1 1	.4825889	.3334309	-1.05	0.295	.1219878	1.9
> 76241	1 2 1	.3555302	.2859366	-1.29	0.202	.071721	1.
> 62714	1 3 1	.5447979	.3897312	-0.85	0.398	.131172	2.2
	ageNew						
> 00363	2	1.609192	.2153548	3.55	0.001	1.232882	2.1
> 54471	3	2.059724	.2227652	6.68	0.000	1.660799	2.5
> 78596	4	1.7551	.2301691	4.29	0.000	1.351874	2.2
	eduNew						
> 26705	1	1.122592	.1734106	0.75	0.456	.8254461	1.5
> 05738	2	1.347709	.198091	2.03	0.046	1.00586	1.8
	2.BMICat	1	(omitted)				
1.depressionBinary		1.943537	.3632071	3.56	0.001	1.33982	2.8
> 19286	_cons	.1865936	.0322576	-9.71	0.000	.1322682	.26
> 32318							

> _____

Note: **_cons** estimates baseline relative risk for each outcome.

Note: 3 strata omitted because they contain no subpopulation members.

232 .
end of do-file233 . log close
name: <unnamed>
log: C:\Users\sarah.vanalsten\Downloads\0305log.smcl
log type: smcl
closed on: 5 Mar 2020, 13:08:09