



```

name: <unnamed>
log: C:\Users\sarah.vanalsten\Downloads\newlog.smcl
log type: smcl
opened on: 4 Mar 2020, 13:14:57

```

```

1 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"
2 . //base model
3 . svy: mlogit doingAbtWt i.fsAny, rrr baseoutcome(5)
   (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

```

Number of strata   =          75          Number of obs   =       20,269
Number of PSUs     =         154          Population size  =    171,989,320
                                          Design df       =          79
                                          F( 4, 76)        =       43.29
                                          Prob > F         =       0.0000

```

doingAbtWt		RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
1	1.fsAny	.9672774	.0571759	-0.56	0.575	.8599115	1.088049
	_cons	.4648393	.0189812	-18.76	0.000	.4285527	.5041983
2	1.fsAny	2.133948	.1504822	10.75	0.000	1.854492	2.455516
	_cons	.1147621	.0058417	-42.53	0.000	.1037042	.1269991
3	1.fsAny	.8129736	.0430913	-3.91	0.000	.731572	.9034327
	_cons	1.130295	.0357429	3.87	0.000	1.061344	1.203727
4	1.fsAny	.6083999	.0435185	-6.95	0.000	.5276624	.701491
	_cons	.2772192	.0144232	-24.66	0.000	.249947	.3074671
5	(base outcome)						

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

```

4 .
   end of do-file
5 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"
6 . mlogtest, wald

```

Wald tests for independent variables (N=20269)

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

	F	df	df_r	P>F
1.fsAny	43.291	4	4	0.000

```

7 .
  end of do-file

8 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

9 . //adjust for confounders except BMiCat
10 . svy: mlogit doingAbtWt i.fsAny i.ageNew i.edu i.Male i.Race, rrr baseoutcome(
    > 5)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	19,807
Number of PSUs	=	154	Population size	=	169,553,676
			Design df	=	79
			F(40 , 40)	=	31.59
			Prob > F	=	0.0000

doingAbtWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.172595	.0794985	2.35	0.021	1.024569	1.342006
ageNew						
2	1.153209	.1095951	1.50	0.138	.954456	1.39335
3	1.180972	.0962831	2.04	0.045	1.004067	1.389045
4	1.288554	.1002824	3.26	0.002	1.103639	1.504451
edu						
1	1.475658	.1439475	3.99	0.000	1.215237	1.791885
2	2.374535	.2314767	8.87	0.000	1.955737	2.883015
1.Male	.6011978	.0235655	-12.98	0.000	.556075	.6499822
Race						
1	1.091463	.0800733	1.19	0.236	.9431714	1.263069
2	1.026355	.0821726	0.32	0.746	.8751615	1.203669
3	.5144166	.0671266	-5.09	0.000	.3967467	.6669858
_cons	.283833	.0335315	-10.66	0.000	.2243569	.3590759
2						
1.fsAny	2.138136	.1825819	8.90	0.000	1.803923	2.534268
ageNew						
2	1.097995	.1439206	0.71	0.478	.8458494	1.425305
3	1.149815	.1595933	1.01	0.318	.8722563	1.515694
4	1.416866	.1690952	2.92	0.005	1.117281	1.796781
edu						
1	1.10443	.1287789	0.85	0.397	.8756736	1.392944
2	.8951903	.094255	-1.05	0.296	.7259354	1.103908
1.Male	.8235356	.0587375	-2.72	0.008	.7145413	.9491557
Race						
1	1.386299	.1528389	2.96	0.004	1.113147	1.726478
2	.8263308	.0943834	-1.67	0.099	.6582904	1.037266
3	.7563061	.1390736	-1.52	0.133	.5244928	1.090575
_cons	.1121487	.0164983	-14.87	0.000	.0836807	.1503014
3						
1.fsAny	.9801379	.0579995	-0.34	0.735	.8712324	1.102657

ageNew							
2	1.105252	.0824663	1.34	0.184	.9527143	1.282212	
3	1.187002	.085764	2.37	0.020	1.028001	1.370597	
4	1.254263	.086712	3.28	0.002	1.093016	1.439298	
edu							
1	1.664719	.1155432	7.34	0.000	1.449915	1.911346	
2	2.616559	.1872608	13.44	0.000	2.269157	3.017147	
1.Male	.4133381	.0185312	-19.71	0.000	.3780505	.4519195	
Race							
1	.9273425	.0756761	-0.92	0.358	.7883101	1.090896	
2	1.143047	.0956447	1.60	0.114	.9676797	1.350195	
3	.7656865	.0729088	-2.80	0.006	.6334884	.925472	
_cons	.733814	.0662829	-3.43	0.001	.6130614	.8783509	
4	1.fsAny	.8410339	.0540202	-2.70	0.009	.7400991	.9557343
ageNew							
2	1.116686	.1373625	0.90	0.372	.8741718	1.426478	
3	1.087154	.1222367	0.74	0.460	.8691517	1.359836	
4	1.246374	.1233086	2.23	0.029	1.023589	1.517647	
edu							
1	1.585685	.1932863	3.78	0.000	1.244075	2.0211	
2	3.513014	.3667219	12.04	0.000	2.853917	4.324327	
1.Male	.8133147	.0593447	-2.83	0.006	.7033691	.9404461	
Race							
1	.7638952	.0748312	-2.75	0.007	.6285691	.9283559	
2	.8901235	.0978901	-1.06	0.293	.7151292	1.107939	
3	.6404746	.0959393	-2.97	0.004	.4753502	.862959	
_cons	.1145124	.0170893	-14.52	0.000	.0850839	.1541196	
5	(base outcome)						

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

11 . mlogtest, wald

Wald tests for independent variables (N=19807)

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

	F	df	df_r	P>F
1.fsAny	22.139	4	4	0.000
2.ageNew	0.666	4	4	0.618
3.ageNew	1.726	4	4	0.153
4.ageNew	4.628	4	4	0.002
1.edu	15.328	4	4	0.000
2.edu	72.843	4	4	0.000
1.Male	107.276	4	4	0.000
1.Race	4.624	4	4	0.002
2.Race	2.776	4	4	0.033
3.Race	7.180	4	4	0.000

```

12 .
    end of do-file

13 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

14 . svy: mlogit doingAbtWt i.fsAny i.ageNew i.edu i.Male i.Race i.BMIcat, rrr bas
    > eoutcome(5)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

```

Number of strata   =          75
Number of PSUs    =          154
Number of obs     =       19,608
Population size   =   168,052,011
Design df        =           79
F( 60, 20)       =       30.07
Prob > F         =       0.0000

```

doingAbtWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.0506	.0748029	0.69	0.490	.9117781	1.210559
ageNew						
2	.9070208	.0860248	-1.03	0.307	.7509842	1.095478
3	.8739453	.0765562	-1.54	0.128	.734109	1.040418
4	.8814459	.0673583	-1.65	0.103	.7570713	1.026253
edu						
1	1.438383	.1395207	3.75	0.000	1.185838	1.744713
2	2.644196	.2710739	9.48	0.000	2.156125	3.242748
1.Male	.4827972	.0227977	-15.42	0.000	.4394867	.5303759
Race						
1	.8453822	.0644659	-2.20	0.031	.7263298	.9839485
2	.8732457	.0722562	-1.64	0.105	.7406427	1.02959
3	.6409915	.0853715	-3.34	0.001	.4917227	.8355728
BMIcat						
2	5.002321	2.567045	3.14	0.002	1.801214	13.89241
3	19.34816	10.05274	5.70	0.000	6.878613	54.42247
4	32.27546	16.82658	6.66	0.000	11.4341	91.10511
5	40.09478	21.31016	6.95	0.000	13.92008	115.4872
6	53.37503	29.28088	7.25	0.000	17.91085	159.0597
_cons	.0248688	.0126245	-7.28	0.000	.0090537	.0683097
2						
1.fsAny	2.158492	.1869711	8.88	0.000	1.816651	2.564658
ageNew						
2	1.111471	.1495995	0.79	0.435	.8502525	1.452943
3	1.148743	.1622755	0.98	0.329	.8671789	1.521728
4	1.437623	.1802786	2.89	0.005	1.120066	1.845213
edu						
1	1.082974	.1291362	0.67	0.506	.8541614	1.37308
2	.8830613	.096151	-1.14	0.257	.7109962	1.096767
1.Male	.8021906	.0601333	-2.94	0.004	.6909997	.9312734
Race						
1	1.398375	.1578464	2.97	0.004	1.116983	1.750654
2	.8360106	.0981876	-1.53	0.131	.6617364	1.056181
3	.7609913	.1413371	-1.47	0.145	.5258102	1.101363

	BMI	cat						
	2		.9429225	.2354819	-0.24	0.815	.5735794	1.550095
	3		.8807083	.2250323	-0.50	0.620	.5296099	1.464563
	4		.8428297	.2002385	-0.72	0.474	.5252509	1.352424
	5		1.025836	.27214	0.10	0.924	.6049976	1.739411
	6		.6643955	.1972489	-1.38	0.172	.3679487	1.199682
	_cons		.1247228	.0333465	-7.79	0.000	.0732528	.2123575
3								
	1.fsAny		.8762734	.0519605	-2.23	0.029	.7787188	.9860491
	ageNew							
	2		.8844593	.0680924	-1.59	0.115	.7587986	1.03093
	3		.9000019	.0719765	-1.32	0.192	.7675573	1.0553
	4		.8816024	.0656622	-1.69	0.095	.7601315	1.022485
	edu							
	1		1.643825	.1164033	7.02	0.000	1.427718	1.892643
	2		2.937167	.2334762	13.55	0.000	2.507344	3.440672
	1.Male		.3386521	.0173745	-21.10	0.000	.3057762	.3750626
	Race							
	1		.7172798	.0639192	-3.73	0.000	.6006968	.8564891
	2		.9773091	.084816	-0.26	0.792	.8222638	1.16159
	3		.9521136	.0925255	-0.50	0.615	.784663	1.155299
	BMI	cat						
	2		19.60256	8.73411	6.68	0.000	8.075189	47.58533
	3		59.64721	26.31113	9.27	0.000	24.78987	143.5179
	4		99.7474	44.52445	10.31	0.000	41.0241	242.5293
	5		129.7289	56.56493	11.16	0.000	54.46524	308.9969
	6		168.0832	76.88941	11.20	0.000	67.62182	417.7936
	_cons		.0192925	.0087646	-8.69	0.000	.0078104	.0476547
4								
	1.fsAny		.8476785	.0549695	-2.55	0.013	.7450314	.9644678
	ageNew							
	2		1.041857	.1299429	0.33	0.743	.8128174	1.335437
	3		1.015167	.1130964	0.14	0.893	.8132668	1.267191
	4		1.159133	.1181297	1.45	0.151	.9463157	1.41981
	edu							
	1		1.577456	.1901487	3.78	0.000	1.240956	2.005203
	2		3.506635	.3712782	11.85	0.000	2.840302	4.329289
	1.Male		.7652252	.0527997	-3.88	0.000	.6670275	.8778791
	Race							
	1		.7551481	.0761753	-2.78	0.007	.6177772	.9230651
	2		.8432743	.0938709	-1.53	0.130	.675681	1.052437
	3		.6718231	.1017681	-2.63	0.010	.4969457	.9082406
	BMI	cat						
	2		3.406567	1.240466	3.37	0.001	1.650212	7.032249
	3		4.367095	1.613506	3.99	0.000	2.093189	9.111227
	4		4.719674	1.754617	4.17	0.000	2.251861	9.891963
	5		4.018863	1.667479	3.35	0.001	1.759686	9.17849
	6		3.735254	1.56281	3.15	0.002	1.624211	8.590092
	_cons		.0327561	.0121114	-9.25	0.000	.0156916	.0683779
5			(base outcome)					

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

15 . mlogtest, wald

Wald tests for independent variables (N=19608)

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

	F	df	df_r	P>F
1.fsAny	23.434	4	4	0.000
2.ageNew	1.454	4	4	0.225
3.ageNew	1.509	4	4	0.208
4.ageNew	7.455	4	4	0.000
1.edu	14.375	4	4	0.000
2.edu	69.428	4	4	0.000
1.Male	123.919	4	4	0.000
1.Race	8.824	4	4	0.000
2.Race	1.795	4	4	0.139
3.Race	4.503	4	4	0.003
2.BMIcat	17.935	4	4	0.000
3.BMIcat	36.291	4	4	0.000
4.BMIcat	42.837	4	4	0.000
5.BMIcat	46.281	4	4	0.000
6.BMIcat	44.791	4	4	0.000

16 .
end of do-file

17 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

18 . svy: mlogit doingAbtWt i.fsAny i.ageNew i.edu i.Male i.Race i.BMIcat i.depres
> sionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	19,608
Number of PSUs	=	154	Population size	=	168,052,011
			Design df	=	79
			F(64 , 16)	=	36.21
			Prob > F	=	0.0000

> _____		Linearized					
doingAbtWt		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
1							
	1.fsAny	1.021034	.0715767	0.30	0.767	.8880571	1.1
> 73922							
	ageNew						
	2	.9034768	.0859387	-1.07	0.289	.7476379	1.0
> 91799							
	3	.8670397	.0758737	-1.63	0.107	.7284381	1.0
> 32013							
	4	.8734558	.0669975	-1.76	0.082	.7497817	1.
> 01753							
	edu						
	1	1.447495	.1398559	3.83	0.000	1.19425	1.7
> 54441							
	2	2.679966	.2777042	9.51	0.000	2.180489	3.2

> 93857

1.Male	.4884226	.0234205	-14.94	0.000	.4439609	.53
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> 73371

Race						
1	.8482337	.0647958	-2.15	0.034	.7285874	.9

> 87528

2	.8797934	.0732121	-1.54	0.128	.7454973	1.0
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> 38282

3	.6411055	.0854767	-3.33	0.001	.4916727	.83
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> 59552

BMIcat						
2	4.989719	2.554657	3.14	0.002	1.800926	13.

> 82472

3	19.28344	9.997828	5.71	0.000	6.870685	54.
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> 12139

4	31.98926	16.66002	6.65	0.000	11.34495	90.
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> 19984

5	39.83173	21.14376	6.94	0.000	13.84714	114
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> .5772

6	52.45453	28.75859	7.22	0.000	17.61353	156
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> .2138

1.depressionBinary	1.334527	.11526	3.34	0.001	1.123744	1.5
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> 84846

_cons	.0243496	.012287	-7.36	0.000	.0089184	.06
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> 64805

2						
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> 78869

1.fsAny	1.928713	.161652	7.84	0.000	1.632359	2.2
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ageNew						
2	1.096651	.1449807	0.70	0.487	.8429206	1.4

> 26758

3	1.107087	.1574887	0.72	0.477	.8340857	1.4
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> 69444

4	1.377683	.1710105	2.58	0.012	1.076086	1.7
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> 63809

edu						
1	1.117029	.1319197	0.94	0.352	.8830295	1.4

> 13039

2	.9349946	.0999027	-0.63	0.531	.7558661	1.1
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> 56574

1.Male	.8355275	.0620768	-2.42	0.018	.7206688	.96
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> 86922

Race						
1	1.423605	.1613931	3.12	0.003	1.136027	1.7

> 83983

2	.8789101	.1028875	-1.10	0.274	.6962267	1.1
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> 09528

3	.7677037	.1423483	-1.43	0.158	.5307722	1.1
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> 10399

BMIcat						
2	.9241064	.2344991	-0.31	0.757	.557652	1.5

> 31372

3	.8662798	.2243201	-0.55	0.581	.5173853	1.4
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> 50448

4	.8021189	.1953408	-0.91	0.368	.4939926	1.3
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> 02438

> 95409	5		.9955959	.266268	-0.02	0.987	.5846444	1.6
> 12689	6		.6131947	.1835632	-1.63	0.106	.3379271	1.1
1.depressionBinary			2.511011	.3003179	7.70	0.000	1.97907	3.
> 18593								
> 75612		_cons	.1143865	.0314041	-7.90	0.000	.0662289	.19
<hr/>								
> 3								
> 19795		1.fsAny	.8739675	.0511648	-2.30	0.024	.7778361	.98
> 30857		ageNew						
> 53943		2	.8846405	.0679839	-1.59	0.115	.7591634	1.0
> 21677		3	.8993413	.071674	-1.33	0.187	.7674178	1.0
		4	.8807041	.0656966	-1.70	0.093	.7591831	1.0
> 95359		edu						
> 48523		1	1.644946	.1171042	6.99	0.000	1.427618	1.8
		2	2.941945	.2348223	13.52	0.000	2.509782	3.4
> 56443		1.Male	.3391108	.0174314	-21.04	0.000	.3061304	.37
> 56246		Race						
> 64257		1	.7169056	.0639715	-3.73	0.000	.6002407	.8
> 55665		2	.9789162	.0852755	-0.24	0.807	.8230802	1.1
		3	.952561	.0924956	-0.50	0.618	.785152	1.1
> 56578		BMIcat						
> .4762		2	19.59694	8.730383	6.68	0.000	8.07387	47.
> .2693		3	59.64084	26.30281	9.27	0.000	24.79178	143
> .0011		4	99.64818	44.4763	10.31	0.000	40.98645	242
> .0012		5	129.7234	56.56619	11.16	0.000	54.45986	309
1.depressionBinary		6	167.7454	76.74444	11.20	0.000	67.47826	417
> 50322								
> 74413		_cons	.1054133	.0903929	0.61	0.540	.8887273	1.2
			.0192141	.008725	-8.70	0.000	.0077819	.04
<hr/>								
> 4								
> 97084		1.fsAny	.8829222	.0551043	-2.00	0.049	.779779	.99
> 42416		ageNew						
> 76051		2	1.046392	.1309657	0.36	0.718	.8156456	1.3
		3	1.022324	.113864	0.20	0.843	.8190478	1.2

> 33526	4	1.169148	.119744	1.53	0.131	.9535281	1.4
	edu						
> 94825	1	1.566487	.1902346	3.70	0.000	1.230124	1.9
> 62892	2	3.45194	.3659468	11.69	0.000	2.79526	4.2
> 15336	1.Male	.7591318	.0526615	-3.97	0.000	.6612265	.87
	Race						
> 20789	1	.7532584	.0759985	-2.81	0.006	.6162087	.9
> 46642	2	.8385653	.0933799	-1.58	0.118	.671855	1.0
> 75097	3	.6710163	.1017795	-2.63	0.010	.4961521	.90
	BMIcat						
> 65547	2	3.422988	1.246299	3.38	0.001	1.658307	7.0
> 46872	3	4.386195	1.61955	4.00	0.000	2.10331	9.1
> 85687	4	4.765726	1.771067	4.20	0.000	2.27447	9.9
> 52383	5	4.05591	1.680491	3.38	0.001	1.777965	9.2
> 78065	6	3.816684	1.597599	3.20	0.002	1.658997	8.
1.depressionBinary		.6015927	.1126767	-2.71	0.008	.4143763	.87
> 33938	_cons	.0334678	.012325	-9.22	0.000	.0160799	.06
> 96579							
> _____							
5		(base outcome)					

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

19 . mlogtest, wald

Wald tests for independent variables (N=19608)

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

	F	df	df_r	P>F
1.fsAny	19.202	4	4	0.000
2.ageNew	1.406	4	4	0.240
3.ageNew	1.441	4	4	0.229
4.ageNew	6.890	4	4	0.000
1.edu	13.952	4	4	0.000
2.edu	68.537	4	4	0.000
1.Male	123.683	4	4	0.000
1.Race	9.414	4	4	0.000
2.Race	1.563	4	4	0.193
3.Race	4.517	4	4	0.003
2.BMIcat	17.894	4	4	0.000
3.BMIcat	36.174	4	4	0.000
4.BMIcat	42.627	4	4	0.000
5.BMIcat	46.313	4	4	0.000
6.BMIcat	44.839	4	4	0.000
1.depressionBi~y	19.844	4	4	0.000

```

20 .
    end of do-file

21 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

22 . //model including interaction with sex
23 . svy: mlogit doingAbtWt i.fsAny##i.Male i.ageNew i.edu i.Race i.BMIcat, rrr ba
    > seoutcome(5)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	19,608
Number of PSUs	=	154	Population size	=	168,052,011
			Design df	=	79
			F(64, 16)	=	33.17
			Prob > F	=	0.0000

doingAbtWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.005112	.0906846	0.06	0.955	.8398884	1.202838
1.Male	.4717955	.0263893	-13.43	0.000	.4220874	.5273575
fsAny#Male						
1 1	1.102562	.1286341	0.84	0.405	.8740777	1.390772
ageNew						
2	.9072311	.0859827	-1.03	0.307	.7512607	1.095583
3	.8745387	.0764677	-1.53	0.129	.7348424	1.040792
4	.8817182	.0673034	-1.65	0.103	.7574347	1.026395
edu						
1	1.438644	.1395747	3.75	0.000	1.186006	1.745099
2	2.647551	.2715573	9.49	0.000	2.158635	3.247203
Race						
1	.8464325	.064521	-2.19	0.032	.7272749	.985113
2	.8720876	.0722628	-1.65	0.103	.7394876	1.028465
3	.6412676	.085559	-3.33	0.001	.4917043	.836324
BMIcat						
2	5.001303	2.565706	3.14	0.002	1.801433	13.88507
3	19.41673	10.09401	5.71	0.000	6.899	54.64698
4	32.40449	16.91146	6.66	0.000	11.4674	91.56834
5	40.2662	21.4186	6.95	0.000	13.96762	116.0804
6	53.6226	29.45631	7.25	0.000	17.96748	160.0326
_cons	.025051	.0126941	-7.28	0.000	.0091366	.0686852
2						
1.fsAny	2.353861	.2793214	7.21	0.000	1.858667	2.980986
1.Male	.8596783	.0873788	-1.49	0.141	.7022197	1.052444
fsAny#Male						
1 1	.8483931	.1309913	-1.06	0.290	.6239187	1.153629
ageNew						
2	1.112035	.1497484	0.79	0.433	.8505728	1.45387
3	1.150271	.1624669	0.99	0.325	.868369	1.523687
4	1.439017	.1803635	2.90	0.005	1.121291	1.846772
edu						
1	1.082279	.1287495	0.66	0.508	.8540903	1.371432

2	.882136	.0957736	-1.16	0.252	.7106945	1.094934
Race						
1	1.396586	.1574151	2.96	0.004	1.115919	1.747844
2	.8381779	.098607	-1.50	0.137	.6631922	1.059334
3	.7604574	.1411899	-1.47	0.144	.5255074	1.100452
BMIcat						
2	.9454923	.2366856	-0.22	0.823	.5744627	1.55616
3	.87669	.2252389	-0.51	0.610	.5257195	1.461969
4	.8371879	.2006891	-0.74	0.461	.5195181	1.349103
5	1.018562	.2721518	0.07	0.945	.5984326	1.733642
6	.6577016	.1965965	-1.40	0.165	.3627729	1.192403
_cons	.120345	.0319218	-7.98	0.000	.0709795	.2040436
3						
1.fsAny	.8554538	.059855	-2.23	0.028	.7442395	.9832872
1.Male	.3345616	.0190982	-19.18	0.000	.2986277	.3748195
fsAny#Male						
1 1	1.05763	.1197072	0.50	0.622	.8442915	1.324875
ageNew						
2	.8844889	.0680345	-1.60	0.115	.7589269	1.030825
3	.9002201	.0719214	-1.32	0.192	.7678665	1.055387
4	.8816618	.0656475	-1.69	0.095	.7602155	1.022509
edu						
1	1.643727	.1164144	7.02	0.000	1.427601	1.892572
2	2.938938	.2340908	13.53	0.000	2.508051	3.443852
Race						
1	.7178275	.0640345	-3.72	0.000	.6010448	.8573011
2	.9765264	.0849557	-0.27	0.786	.8212577	1.161151
3	.9522427	.0926346	-0.50	0.616	.7846109	1.155689
BMIcat						
2	19.6136	8.741406	6.68	0.000	8.077784	47.62362
3	59.82252	26.40447	9.27	0.000	24.84949	144.0164
4	100.0604	44.69809	10.31	0.000	41.1251	243.4545
5	130.1507	56.78623	11.16	0.000	54.61112	310.1789
6	168.6452	77.17555	11.21	0.000	67.82464	419.3343
_cons	.0193493	.0087853	-8.69	0.000	.0078375	.04777
4						
1.fsAny	.884538	.0784279	-1.38	0.170	.7414305	1.055267
1.Male	.7752375	.0628864	-3.14	0.002	.6596479	.9110817
fsAny#Male						
1 1	.919305	.1412699	-0.55	0.586	.6770498	1.248242
ageNew						
2	1.042095	.1300149	0.33	0.742	.8129367	1.335849
3	1.015451	.1131658	0.14	0.891	.8134344	1.26764
4	1.15935	.1180774	1.45	0.151	.9466145	1.419895
edu						
1	1.576107	.1900717	3.77	0.000	1.239761	2.003704
2	3.502275	.3708707	11.84	0.000	2.836683	4.324039
Race						
1	.7546027	.0760355	-2.79	0.007	.6174691	.9221923
2	.8435395	.0938525	-1.53	0.130	.6759699	1.052649
3	.6713536	.101545	-2.63	0.010	.4968223	.907197

BMicat						
2	3.413498	1.243368	3.37	0.001	1.653204	7.048114
3	4.366259	1.612946	3.99	0.000	2.093027	9.108442
4	4.717815	1.754235	4.17	0.000	2.25068	9.889358
5	4.013876	1.666114	3.35	0.001	1.756888	9.170306
6	3.730519	1.560906	3.15	0.002	1.622086	8.579555
_cons	.0325449	.0120436	-9.26	0.000	.0155807	.0679798
5	(base outcome)					

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

```

24 .
    end of do-file

25 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

26 . mlogtest, wald

```

Wald tests for independent variables (N=19608)

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

	F	df	df_r	P>F
1.fsAny	16.823	4	4	0.000
1.Male	103.511	4	4	0.000
1.fsAny#1.Male	0.785	4	4	0.539
2.ageNew	1.454	4	4	0.224
3.ageNew	1.512	4	4	0.207
4.ageNew	7.471	4	4	0.000
1.edu	14.381	4	4	0.000
2.edu	69.339	4	4	0.000
1.Race	8.798	4	4	0.000
2.Race	1.787	4	4	0.140
3.Race	4.514	4	4	0.003
2.BMicat	17.913	4	4	0.000
3.BMicat	36.301	4	4	0.000
4.BMicat	42.781	4	4	0.000
5.BMicat	46.226	4	4	0.000
6.BMicat	44.765	4	4	0.000

```

27 .
    end of do-file

28 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

29 . //test if interaction terms simultaneously = 0
30 . test 0.fsAny#1.Male 1.fsAny#1.Male , nosvyadjust

```

Unadjusted Wald test

```

( 1) [1]0b.fsAny#1o.Male = 0
( 2) [2]0b.fsAny#1o.Male = 0
( 3) [3]0b.fsAny#1o.Male = 0
( 4) [4]0b.fsAny#1o.Male = 0
( 5) [5]0b.fsAny#1o.Male = 0
( 6) [1]1.fsAny#1.Male = 0
( 7) [2]1.fsAny#1.Male = 0
( 8) [3]1.fsAny#1.Male = 0
( 9) [4]1.fsAny#1.Male = 0
(10) [5]1o.fsAny#1o.Male = 0
Constraint 1 dropped
Constraint 2 dropped
Constraint 3 dropped
Constraint 4 dropped

```

Constraint 5 dropped
 Constraint 10 dropped

F(4, 79) = 0.82
 Prob > F = 0.5189

31 .
 end of do-file

32 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

33 . svy: mlogit doingAbtWt i.fsAny##i.Race i.ageNew i.edu i.Male i.BMIcat, rrr ba
 > seoutcome(5)
 (running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	19,608
Number of PSUs	=	154	Population size	=	168,052,011
			Design df	=	79
			F(72, 8)	=	28.03
			Prob > F	=	0.0000

doingAbtWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
1						
1.fsAny	1.009247	.1219424	0.08	0.939	.793508	1.283642
Race						
1	.8087145	.0724088	-2.37	0.020	.6767011	.9664816
2	.8814125	.0808595	-1.38	0.173	.7343052	1.057991
3	.6115066	.0979807	-3.07	0.003	.4445218	.8412193
fsAny#Race						
1 1	1.1546	.1852709	0.90	0.373	.8389193	1.589068
1 2	1.004543	.1466998	0.03	0.975	.751153	1.343409
1 3	1.245178	.3278127	0.83	0.407	.7373163	2.102855
ageNew						
2	.9068347	.0862314	-1.03	0.307	.7504608	1.095792
3	.8738648	.0765979	-1.54	0.128	.7339599	1.040438
4	.8796953	.0672685	-1.68	0.098	.7554926	1.024317
edu						
1	1.437356	.1395363	3.74	0.000	1.184802	1.743745
2	2.641575	.2703091	9.49	0.000	2.154793	3.238323
1.Male	.4830102	.0227923	-15.42	0.000	.4397087	.5305761
BMIcat						
2	5.011727	2.573317	3.14	0.002	1.803566	13.92653
3	19.38817	10.07845	5.70	0.000	6.88936	54.56258
4	32.3556	16.87745	6.67	0.000	11.45608	91.38244
5	40.22283	21.39171	6.95	0.000	13.95522	115.9334
6	53.46173	29.35288	7.25	0.000	17.92363	159.463
_cons	.0250071	.0126885	-7.27	0.000	.0091086	.0686556
2						
1.fsAny	2.821461	.2752346	10.63	0.000	2.323525	3.426105
Race						
1	1.791277	.2307688	4.52	0.000	1.386109	2.314878
2	1.189318	.1644654	1.25	0.214	.903147	1.566166
3	.8937896	.1888143	-0.53	0.597	.5869766	1.360974

fsAny#Race						
1 1	.5675746	.0795015	-4.04	0.000	.4294758	.7500794
1 2	.4883165	.0812582	-4.31	0.000	.3506341	.6800622
1 3	.634291	.200561	-1.44	0.154	.3380296	1.190207
ageNew						
2	1.112168	.1506559	0.78	0.435	.8493208	1.45636
3	1.147934	.1630368	0.97	0.334	.8652538	1.522966
4	1.464627	.185307	3.02	0.003	1.138561	1.884072
edu						
1	1.078627	.1305712	0.63	0.534	.8476718	1.372507
2	.8907354	.0974107	-1.06	0.293	.7164956	1.107347
1.Male	.8008391	.0603486	-2.95	0.004	.6892928	.9304366
BMIcat						
2	.9451435	.2404048	-0.22	0.825	.5696658	1.568106
3	.8880425	.2321533	-0.45	0.651	.5277768	1.494229
4	.8482847	.2066961	-0.68	0.501	.5222864	1.377763
5	1.022407	.2761188	0.08	0.935	.5972643	1.750175
6	.6621425	.199563	-1.37	0.175	.3634273	1.206383
_cons	.1127314	.0310121	-7.93	0.000	.0651989	.1949172
3						
1.fsAny	.8484869	.0694651	-2.01	0.048	.720898	.9986573
Race						
1	.7065135	.0658016	-3.73	0.000	.5869623	.8504147
2	.9600665	.0962	-0.41	0.685	.7864716	1.171978
3	.9371828	.1002463	-0.61	0.546	.7574583	1.159551
fsAny#Race						
1 1	1.065483	.1383445	0.49	0.627	.8228213	1.379708
1 2	1.071055	.1228848	0.60	0.551	.8523777	1.345833
1 3	1.095598	.2414898	0.41	0.680	.7065009	1.698987
ageNew						
2	.8845129	.0682862	-1.59	0.116	.7585209	1.031432
3	.8999019	.071955	-1.32	0.191	.767495	1.055151
4	.8803608	.0652768	-1.72	0.090	.7595637	1.020369
edu						
1	1.647767	.1169509	7.04	0.000	1.430677	1.897798
2	2.944316	.2339415	13.59	0.000	2.513622	3.448807
1.Male	.3386517	.0174063	-21.07	0.000	.3057187	.3751323
BMIcat						
2	19.63242	8.765219	6.67	0.000	8.072897	47.74392
3	59.75536	26.38661	9.26	0.000	24.81185	143.9112
4	99.93467	44.6557	10.30	0.000	41.06213	243.2153
5	130.0776	56.8219	11.14	0.000	54.52404	310.3253
6	168.5352	77.2265	11.19	0.000	67.69937	419.5624
_cons	.0193093	.0087798	-8.68	0.000	.007811	.0477335
4						
1.fsAny	.7577378	.0904525	-2.32	0.023	.5974878	.9609679
Race						
1	.660622	.0738837	-3.71	0.000	.5287791	.825338
2	.8647526	.097699	-1.29	0.202	.6906024	1.082819
3	.617881	.0986002	-3.02	0.003	.4497374	.8488885

fsAny#Race						
1 1	1.60378	.3498311	2.17	0.033	1.038926	2.475738
1 2	1.003199	.196436	0.02	0.987	.6793934	1.481334
1 3	1.643618	.5163971	1.58	0.118	.8794437	3.071807
ageNew						
2	1.041823	.1300744	0.33	0.744	.8125803	1.33574
3	1.01572	.1130671	0.14	0.889	.8138543	1.267655
4	1.153646	.117054	1.41	0.163	.9426761	1.41183
edu						
1	1.571144	.1896457	3.74	0.000	1.235587	1.997832
2	3.491053	.3708094	11.77	0.000	2.825778	4.312954
1.Male	.7668242	.0529946	-3.84	0.000	.6682747	.8799068
BMIcat						
2	3.422551	1.245213	3.38	0.001	1.65899	7.060838
3	4.388821	1.61832	4.01	0.000	2.10667	9.143222
4	4.751576	1.76384	4.20	0.000	2.269588	9.94783
5	4.051091	1.679838	3.37	0.001	1.77468	9.247494
6	3.747305	1.568187	3.16	0.002	1.629162	8.61934
_cons	.0331584	.0122829	-9.20	0.000	.0158627	.0693124
5	(base outcome)					

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

```

34 .
    end of do-file

35 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

36 . mlogtest, wald

```

Wald tests for independent variables (N=19608)

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

	F	df	df_r	P>F
1.fsAny	29.722	4	4	0.000
1.Race	12.160	4	4	0.000
2.Race	1.441	4	4	0.229
3.Race	5.149	4	4	0.001
1.fsAny#1.Race	5.402	4	4	0.001
1.fsAny#2.Race	4.802	4	4	0.002
1.fsAny#3.Race	1.358	4	4	0.256
2.ageNew	1.461	4	4	0.222
3.ageNew	1.516	4	4	0.206
4.ageNew	7.835	4	4	0.000
1.edu	14.448	4	4	0.000
2.edu	70.317	4	4	0.000
1.Male	123.860	4	4	0.000
2.BMIcat	17.905	4	4	0.000
3.BMIcat	36.209	4	4	0.000
4.BMIcat	42.847	4	4	0.000
5.BMIcat	46.102	4	4	0.000
6.BMIcat	44.348	4	4	0.000

```

37 .
    end of do-file

38 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

39 . //test if interaction terms for race by simultaneously = 0
40 . test 1.fsAny#1.Race 0.fsAny#1.Race , nosvyadjust

```

Unadjusted Wald test

```

( 1) [1]1.fsAny#1.Race = 0
( 2) [2]1.fsAny#1.Race = 0
( 3) [3]1.fsAny#1.Race = 0
( 4) [4]1.fsAny#1.Race = 0
( 5) [5]1o.fsAny#1o.Race = 0
( 6) [1]0b.fsAny#1o.Race = 0
( 7) [2]0b.fsAny#1o.Race = 0
( 8) [3]0b.fsAny#1o.Race = 0
( 9) [4]0b.fsAny#1o.Race = 0
(10) [5]0b.fsAny#1o.Race = 0
      Constraint 5 dropped
      Constraint 6 dropped
      Constraint 7 dropped
      Constraint 8 dropped
      Constraint 9 dropped
      Constraint 10 dropped

      F( 4, 79) = 5.62
      Prob > F = 0.0005

```

```

41 . test 1.fsAny#2.Race 0.fsAny#2.Race , nosvyadjust

```

Unadjusted Wald test

```

( 1) [1]1.fsAny#2.Race = 0
( 2) [2]1.fsAny#2.Race = 0
( 3) [3]1.fsAny#2.Race = 0
( 4) [4]1.fsAny#2.Race = 0
( 5) [5]1o.fsAny#2o.Race = 0
( 6) [1]0b.fsAny#2o.Race = 0
( 7) [2]0b.fsAny#2o.Race = 0
( 8) [3]0b.fsAny#2o.Race = 0
( 9) [4]0b.fsAny#2o.Race = 0
(10) [5]0b.fsAny#2o.Race = 0
      Constraint 5 dropped
      Constraint 6 dropped
      Constraint 7 dropped
      Constraint 8 dropped
      Constraint 9 dropped
      Constraint 10 dropped

      F( 4, 79) = 4.99
      Prob > F = 0.0012

```

```

42 . test 1.fsAny#3.Race 0.fsAny#3.Race , nosvyadjust

```

Unadjusted Wald test


```

( 1) [1]1.fsAny#3.Race = 0
( 2) [2]1.fsAny#3.Race = 0
( 3) [3]1.fsAny#3.Race = 0
( 4) [4]1.fsAny#3.Race = 0
( 5) [5]1o.fsAny#3o.Race = 0
( 6) [1]0b.fsAny#3o.Race = 0
( 7) [2]0b.fsAny#3o.Race = 0
( 8) [3]0b.fsAny#3o.Race = 0
( 9) [4]0b.fsAny#3o.Race = 0
(10) [5]0b.fsAny#3o.Race = 0

```

```

Constraint 5 dropped
Constraint 6 dropped
Constraint 7 dropped
Constraint 8 dropped
Constraint 9 dropped
Constraint 10 dropped

```

```

F( 4, 79) = 1.41
Prob > F = 0.2378

```

```

43 .
    end of do-file

```

```

44 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

```

```

45 . //3 way interaction?... Nope

```

```

46 . svy: mlogit doingAbtWt i.fsAny##i.Race##i.Male i.ageNew i.edu i.BMIcat, rrr
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

```

Number of strata   =      75
Number of PSUs     =     154
Number of obs      =    19,608
Population size    = 168,052,011
Design df          =      79
F( 79, 1)          =      .
Prob > F           =      .

```

> —		Linearized					
doingAbtWt		RRR	Std. Err.	t	P> t	[95% Conf. Interva	
> 1]							
> —							
1	1.fsAny	1.174153	.1850616	1.02	0.311	.8579804	1.6068
> 36							
	Race						
	1	1.02112	.1187896	0.18	0.858	.810054	1.2871
> 81							
	2	.8709369	.0847611	-1.42	0.160	.7175592	1.0570
> 99							
	3	.6757693	.1517322	-1.75	0.085	.4322184	1.0565
> 59							
	fsAny#Race						
	1 1	1.252689	.2551682	1.11	0.272	.835141	1.8
> 79							
	1 2	.907252	.1856543	-0.48	0.636	.6037179	1.3633
> 95							
	1 3	.9526197	.3357901	-0.14	0.891	.4722929	1.9214
> 44							
	1.Male	1.374029	.0997795	4.38	0.000	1.189109	1.5877
> 06							

	fsAny#Male						
> 16	1 1	1.016678	.2129632	0.08	0.937	.6700533	1.5426
	Race#Male						
> 54	1 1	1.264208	.2083592	1.42	0.159	.9106395	1.7550
> 62	2 1	1.091241	.1535861	0.62	0.537	.8246225	1.4440
> 71	3 1	.895514	.2651027	-0.37	0.710	.4967847	1.6142
	fsAny#Race#Male						
> 31	1 1 1	.6828131	.2149854	-1.21	0.229	.3648634	1.2778
> 42	1 2 1	1.115339	.3209644	0.38	0.705	.62899	1.9777
> 18	1 3 1	1.634775	.8532883	0.94	0.349	.5784337	4.6202
	ageNew						
> 59	2	1.025097	.08526	0.30	0.766	.8686949	1.2096
> 36	3	.9707424	.0827864	-0.35	0.729	.819187	1.1503
> 99	4	.9982041	.0895687	-0.02	0.984	.834936	1.1933
	edu						
> 55	1	.8727557	.0875171	-1.36	0.179	.7148408	1.0655
> 32	2	.8994591	.0717479	-1.33	0.188	.7674088	1.0542
	BMIcat						
> 68	2	.2562826	.1691925	-2.06	0.042	.0688704	.95368
> 59	3	.3281915	.2193546	-1.67	0.099	.0867675	1.2413
> 85	4	.3274592	.2187451	-1.67	0.099	.0866371	1.2376
> 22	5	.3130352	.2097139	-1.73	0.087	.0825033	1.1877
> 09	6	.3210214	.2152741	-1.69	0.094	.0844981	1.2196
> 89	_cons	1.307767	.8650716	0.41	0.686	.3505205	4.8791
> —							
2	1.fsAny	3.496443	.6544065	6.69	0.000	2.408987	5.0747
> 93							
	Race						
> 36	1	2.921371	.5287723	5.92	0.000	2.037612	4.1884
> 27	2	1.521177	.276064	2.31	0.023	1.059987	2.1830
> 07	3	1.175466	.3897097	0.49	0.627	.6075983	2.274
	fsAny#Race						
> 99	1 1	.6427394	.1748854	-1.62	0.108	.3739605	1.1046
> 95	1 2	.4616139	.1056376	-3.38	0.001	.2927228	.72794

> 11	1 3	.4600372	.1910411	-1.87	0.065	.201286	1.0514
> 07	1.Male	2.878198	.3775041	8.06	0.000	2.216872	3.7368
> 82	fsAny#Male 1 1	.9070022	.2278957	-0.39	0.699	.5500555	1.4955
> 17	Race#Male 1 1	.7507865	.1617569	-1.33	0.187	.4889591	1.1528
> 09	2 1	.668343	.139005	-1.94	0.056	.441783	1.011
> 73	3 1	.6330272	.270459	-1.07	0.288	.2704533	1.4816
> 86	fsAny#Race#Male 1 1 1	.5922481	.2239162	-1.39	0.170	.2790468	1.2569
> 43	1 2 1	1.008493	.3543103	0.02	0.981	.5011547	2.029
> 79	1 3 1	1.753532	1.084777	0.91	0.367	.5118583	6.0072
> 63	ageNew 2	1.257289	.1611434	1.79	0.078	.9741862	1.6226
> 93	3	1.273457	.1781683	1.73	0.088	.9639197	1.6823
> 89	4	1.662729	.1885221	4.48	0.000	1.326815	2.0836
> 26	edu 1	.6545265	.0804681	-3.45	0.001	.5124507	.83599
> 01	2	.3012142	.0322382	-11.21	0.000	.2434202	.37273
> 13	BMIcat 2	.0471312	.0234102	-6.15	0.000	.0175364	.12667
> 42	3	.0142718	.0070432	-8.61	0.000	.0053441	.03811
> 73	4	.0080746	.0042229	-9.21	0.000	.0028512	.02286
> 24	5	.0074895	.0037263	-9.84	0.000	.002782	.02016
> 25	6	.0036978	.0018431	-11.24	0.000	.0013711	.00997
> 42	_cons	5.4786	2.668337	3.49	0.001	2.078001	14.44
> — 3		(base outcome)					
> — 4							
> 58	1.fsAny	.9942286	.1576749	-0.04	0.971	.725094	1.3632
> 62	Race 1	1.092655	.1886048	0.51	0.609	.774944	1.540
	2	.8377552	.1235694	-1.20	0.234	.6246136	1.1236

> 29							
> 07	3	.7023432	.1532039	-1.62	0.109	.454974	1.0842
	fsAny#Race						
	1 1	1.172705	.3104512	0.60	0.549	.6923794	1.9862
> 46							
	1 2	.9659064	.267114	-0.13	0.900	.5570323	1.6749
> 03							
	1 3	1.334994	.4937518	0.78	0.437	.6393857	2.7873
> 78							
	1.Male	2.399973	.2544515	8.26	0.000	1.943372	2.9638
> 54							
	fsAny#Male						
	1 1	.8062293	.2051633	-0.85	0.400	.4858273	1.3379
> 36							
	Race#Male						
	1 1	.7218305	.1561039	-1.51	0.136	.4693428	1.1101
> 47							
	2 1	1.096611	.197256	0.51	0.610	.7665819	1.5687
> 24							
	3 1	.836949	.268356	-0.56	0.580	.4421075	1.5844
> 19							
	fsAny#Race#Male						
	1 1 1	1.46474	.55931	1.00	0.321	.6849742	3.1321
> 82							
	1 2 1	1.004962	.4464463	0.01	0.991	.4150768	2.4331
> 61							
	1 3 1	1.388936	.8441403	0.54	0.590	.4142944	4.6564
> 56							
	ageNew						
	2	1.178449	.1359226	1.42	0.158	.936712	1.4825
> 72							
	3	1.127698	.1205997	1.12	0.265	.9114787	1.3952
> 08							
	4	1.309841	.1239462	2.85	0.006	1.084973	1.5813
> 13							
	edu						
	1	.9559873	.1226343	-0.35	0.727	.7405619	1.2340
> 79							
	2	1.188003	.1323632	1.55	0.126	.9517101	1.4829
> 64							
	BMIcat						
	2	.1753325	.1090362	-2.80	0.006	.0508488	.60456
> 58							
	3	.0732257	.0459701	-4.16	0.000	.0209884	.25547
> 49							
	4	.0473535	.02973	-4.86	0.000	.0135715	.16522
> 51							
	5	.0309951	.0198031	-5.44	0.000	.0086894	.1105
> 59							
	6	.0221212	.0143052	-5.89	0.000	.0061065	.08013
> 48							
	_cons	1.672885	1.068172	0.81	0.423	.4693556	5.9625
> 23							
> —							
5							
	1.fsAny	1.248328	.1353487	2.05	0.044	1.00601	1.5490

> 12

	Race						
	1	1.732629	.2109472	4.51	0.000	1.359753	2.2077

> 57

	2	1.277695	.1549918	2.02	0.047	1.003611	1.626
--	---	----------	----------	------	-------	----------	-------

> 63

	3	1.403026	.1779783	2.67	0.009	1.089955	1.8060
--	---	----------	----------	------	-------	----------	--------

> 21

	fsAny#Race						
	1 1	.9587343	.1628525	-0.25	0.805	.6836952	1.3444

> 17

	1 2	.7624319	.1312066	-1.58	0.119	.5413021	1.0738
--	-----	----------	----------	-------	-------	----------	--------

> 97

	1 3	.6334879	.1532132	-1.89	0.063	.3914421	1.0252
--	-----	----------	----------	-------	-------	----------	--------

> 01

	1.Male	3.402837	.2559831	16.28	0.000	2.929627	3.9524
--	--------	----------	----------	-------	-------	----------	--------

> 83

	fsAny#Male						
	1 1	.8992447	.1766829	-0.54	0.590	.6081814	1.3296

> 05

	Race#Male						
	1 1	.683309	.0937214	-2.78	0.007	.5200582	.89780

> 56

	2 1	.6837339	.085515	-3.04	0.003	.5330536	.87700
--	-----	----------	---------	-------	-------	----------	--------

> 75

	3 1	.5649025	.1012903	-3.19	0.002	.3953429	.80718
--	-----	----------	----------	-------	-------	----------	--------

> 47

	fsAny#Race#Male						
	1 1 1	.8303012	.2306596	-0.67	0.505	.4776303	1.4433

> 76

	1 2 1	1.469603	.3531856	1.60	0.113	.9108593	2.3710
--	-------	----------	----------	------	-------	----------	--------

> 95

	1 3 1	2.24306	.8165891	2.22	0.029	1.086775	4.6295
--	-------	---------	----------	------	-------	----------	--------

> 84

	ageNew						
	2	1.133645	.0880419	1.62	0.110	.9712753	1.3231

> 59

	3	1.110851	.0887169	1.32	0.192	.9475846	1.3022
--	---	----------	----------	------	-------	----------	--------

> 47

	4	1.135033	.0841875	1.71	0.092	.9792447	1.3156
--	---	----------	----------	------	-------	----------	--------

> 06

	edu						
	1	.6069932	.0430109	-7.05	0.000	.5271453	.69893

> 59

	2	.3395034	.0269022	-13.63	0.000	.2899653	.39750
--	---	----------	----------	--------	-------	----------	--------

> 47

	BMIcat						
	2	.050147	.0224575	-6.68	0.000	.0205646	.12228

> 42

	3	.0162517	.0071937	-9.31	0.000	.0067338	.03922
--	---	----------	----------	-------	-------	----------	--------

> 27

	4	.009688	.0043407	-10.35	0.000	.0039712	.02363
--	---	---------	----------	--------	-------	----------	--------

> 44

	5	.0074531	.0032597	-11.20	0.000	.0031208	.01779
--	---	----------	----------	--------	-------	----------	--------

> 96

	6	.0057137	.0026274	-11.23	0.000	.0022878	.014
--	---	----------	----------	--------	-------	----------	------

> 27

```

      _cons |    49.25203    22.33921    8.59    0.000    19.96824    121.4
> 81

```

```
> —
```

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

```
47 .
```

```
48 .
```

```
end of do-file
```

```
49 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"
```

```
50 . mlogtest, wald
```

Wald tests for independent variables (N=19608)

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

	F	df	df_r	P>F
1.fsAny	12.090	4	4	0.000
1.Race	11.234	4	4	0.000
2.Race	4.713	4	4	0.002
3.Race	3.749	4	4	0.008
1.fsAny#1.Race	1.068	4	4	0.378
1.fsAny#2.Race	2.910	4	4	0.027
1.fsAny#3.Race	1.491	4	4	0.213
1.Male	74.595	4	4	0.000
1.fsAny#1.Male	0.237	4	4	0.916
1.Race#1.Male	5.492	4	4	0.001
2.Race#1.Male	4.438	4	4	0.003
3.Race#1.Male	2.495	4	4	0.050
1.fsAny#1.Race#1.Male	1.033	4	4	0.396
1.fsAny#2.Race#1.Male	0.821	4	4	0.516
1.fsAny#3.Race#1.Male	1.297	4	4	0.279
2.ageNew	1.472	4	4	0.219
3.ageNew	1.502	4	4	0.210
4.ageNew	7.863	4	4	0.000
1.edu	14.447	4	4	0.000
2.edu	70.406	4	4	0.000
2.BMIcat	17.978	4	4	0.000
3.BMIcat	36.462	4	4	0.000
4.BMIcat	42.960	4	4	0.000
5.BMIcat	46.486	4	4	0.000
6.BMIcat	44.694	4	4	0.000

```
51 .
```

```
end of do-file
```

52 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

53 . svy, subpop(if Race == 0):mlogit doingAbtWt i.fsAny i.ageNew i.edu i.BMIcat i
> .Male i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,631
Number of PSUs	=	154	Population size	=	177,115,381
			Subpop. no. obs	=	8,007
			Subpop. size	=	111,654,158
			Design df	=	79
			F(52, 28)	=	20.29
			Prob > F	=	0.0000

> _____		Linearized					
doingAbtWt		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
1							
> 06843	1.fsAny	.9508197	.1138998	-0.42	0.675	.7491103	1.2
	ageNew						
> 76572	2	.8208373	.1118446	-1.45	0.151	.6258511	1.0
> 48584	3	.8281773	.0981808	-1.59	0.116	.6540989	1.0
> 03146	4	.8081005	.0877786	-1.96	0.053	.6509788	1.0
	edu						
> 61291	1	1.213477	.1914942	1.23	0.224	.8863744	1.6
> 30077	2	2.314898	.3874428	5.02	0.000	1.659017	3.2
	BMIcat						
> 01617	2	4.712873	2.74381	2.66	0.009	1.47915	15.
> 67107	3	17.90658	10.67655	4.84	0.000	5.46514	58.
> 28833	4	27.25843	16.40128	5.49	0.000	8.229435	90.
> .4925	5	32.15464	19.34524	5.77	0.000	9.708864	106
> .4455	6	43.15926	27.64483	5.88	0.000	12.0607	154
> 89252	1.Male	.4279445	.0286413	-12.68	0.000	.3745696	.48
1.depressionBinary		1.351209	.1672341	2.43	0.017	1.05617	1.7
> 28667	_cons	.0350108	.0203707	-5.76	0.000	.010996	.11
> 14726							
> _____							
2							
> 14402	1.fsAny	2.36611	.2477519	8.23	0.000	1.92097	2.9
	ageNew						
	2	.8820769	.1659814	-0.67	0.507	.6065177	1.2

> 82831							
	3		1.043729	.2180253	0.20	0.838	.688674 1.5
> 81836							
	4		1.371872	.2518819	1.72	0.089	.9519155 1.9
> 77102							
	edu						
	1		1.047681	.2015841	0.24	0.809	.7143354 1.5
> 36584							
	2		.8792774	.1630717	-0.69	0.490	.607863 1.
> 27188							
	BMIcat						
	2		.8300876	.2803553	-0.55	0.583	.4238048 1.6
> 25856							
	3		.7035794	.2543779	-0.97	0.334	.3425909 1.4
> 44942							
	4		.5939625	.2124189	-1.46	0.149	.29148 1.2
> 10346							
	5		.7896602	.2712442	-0.69	0.494	.3985741 1.5
> 64485							
	6		.4597622	.2210078	-1.62	0.110	.1766022 1.1
> 96935							
	1.Male		.8994825	.103057	-0.92	0.358	.7160618 1.1
> 29887							
1.depressionBinary			2.878239	.5202133	5.85	0.000	2.008573 4.1
> 24451							
	_cons		.1329424	.0494876	-5.42	0.000	.063369 .27
> 89013							
<hr/>							
> _____							
3							
	1.fsAny		.8446501	.0673043	-2.12	0.037	.720768 .98
> 98245							
	ageNew						
	2		.8267177	.0895674	-1.76	0.083	.6663506 1.
> 02568							
	3		.9039555	.0941001	-0.97	0.335	.7347851 1.1
> 12074							
	4		.8952645	.0919842	-1.08	0.285	.7296828 1.0
> 98421							
	edu						
	1		1.474614	.1524625	3.76	0.000	1.200335 1.8
> 11567							
	2		2.654903	.3326235	7.79	0.000	2.06893 3.4
> 06838							
	BMIcat						
	2		20.16887	10.88113	5.57	0.000	6.891512 59.
> 02673							
	3		57.68668	31.06342	7.53	0.000	19.75089 168
> .4862							
	4		82.74043	44.62309	8.19	0.000	28.28214 242
> .0602							
	5		107.1313	55.67565	8.99	0.000	38.07761 301
> .4135							
	6		142.9545	78.43647	9.04	0.000	47.96173 426
> .0895							
	1.Male		.3095232	.0213983	-16.96	0.000	.2697316 .35
> 51851							
1.depressionBinary			1.048343	.1288293	0.38	0.702	.8208683 1.3
> 38854							
	_cons		.0237091	.0134078	-6.62	0.000	.0076924 .07

> 30747

> _____							
4							
	1.fsAny	.8054492	.0925709	-1.88	0.063	.6407479	1.0
> 12486							
	ageNew						
	2	1.090039	.1733836	0.54	0.589	.7942226	1.4
> 96035							
	3	1.086871	.1523825	0.59	0.554	.822206	1.
> 43673							
	4	1.284028	.1678063	1.91	0.059	.9899264	1.6
> 65506							
	edu						
	1	1.5877	.3038107	2.42	0.018	1.084814	2.3
> 23708							
	2	3.32677	.6152896	6.50	0.000	2.302202	4.
> 80731							
	BMIcat						
	2	3.563446	1.594521	2.84	0.006	1.462385	8.6
> 83174							
	3	4.053838	1.854416	3.06	0.003	1.63091	10.
> 07634							
	4	3.939905	1.81772	2.97	0.004	1.572772	9.
> 86974							
	5	3.411769	1.746088	2.40	0.019	1.231892	9.4
> 49019							
	6	2.640998	1.492221	1.72	0.090	.8577093	8.1
> 31977							
	1.Male	.7205114	.0664107	-3.56	0.001	.5997411	.86
> 56012							
1.depressionBinary		.5791769	.1507364	-2.10	0.039	.3450103	.9
> 72278							
	_cons	.0357594	.0162361	-7.34	0.000	.0144845	.08
> 82832							
> _____							
5		(base outcome)					

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

54 .

end of do-file

55 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

56 . svy, subpop(if Race == 1):mlogit doingAbtWt i.fsAny i.ageNew i.edu i.BMIcat i
> .Male i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,063
Number of PSUs	=	154	Population size	=	188,703,480
			Subpop. no. obs	=	4,460
			Subpop. size	=	20,038,629.8
			Design df	=	79
			F(52, 28)	=	37.08
			Prob > F	=	0.0000

> _____		Linearized					
doingAbtWt	RRR	Std. Err.	t	P> t	[95% Conf. Inte		
> rval]							
> _____							
1							
1.fsAny	1.195852	.1210276	1.77	0.081	.9776666	1.4	
> 62731							
ageNew							
2	1.290794	.1895715	1.74	0.086	.96361	1.	
> 72907							
3	1.09416	.1532202	0.64	0.522	.8279976	1.4	
> 45881							
4	1.391643	.1650407	2.79	0.007	1.099032	1.7	
> 62161							
edu							
1	1.356725	.1805324	2.29	0.025	1.041034	1.7	
> 68148							
2	2.209102	.2784234	6.29	0.000	1.718961	2.8	
> 38999							
BMIcat							
2	4.19191	4.52541	1.33	0.188	.4888742	35.	
> 94403							
3	21.62724	22.43004	2.96	0.004	2.744553	170	
> .4239							
4	41.74715	43.18509	3.61	0.001	5.326115	327	
> .2226							
5	53.4075	53.90923	3.94	0.000	7.162093	398	
> .2581							
6	76.94288	78.34344	4.27	0.000	10.13892	583	
> .9089							
1.Male	.7376067	.0733712	-3.06	0.003	.605114	.89	
> 91095							
1.depressionBinary	1.08318	.2049306	0.42	0.674	.7432823	1.	
> 57851							
_cons	.012813	.0132596	-4.21	0.000	.0016333	.10	
> 05135							
> _____							
2							
1.fsAny	1.551076	.2199401	3.10	0.003	1.169652	2.0	
> 56883							
ageNew							
2	1.612932	.3505354	2.20	0.031	1.046522	2.4	
> 85898							
3	1.283322	.2454126	1.30	0.196	.877054	1.	
> 87778							
4	1.559782	.2682772	2.58	0.012	1.1076	2.1	
> 96569							
edu							
1	.9237746	.1764354	-0.42	0.679	.6316301	1.3	
> 51043							
2	.8584566	.1301335	-1.01	0.317	.6348593	1.1	
> 60805							
BMIcat							
2	.92703	.3380302	-0.21	0.836	.4486274	1.9	
> 15587							
3	1.311481	.478642	0.74	0.460	.6342679	2.7	

> 11759							
	4		1.284767	.470258	0.68	0.496	.6200352 2.6
> 62149							
	5		1.136501	.4471281	0.33	0.746	.5193698 2.4
> 86926							
	6		.904072	.3978271	-0.23	0.819	.3765432 2.1
> 70657							
	1.Male		.8468909	.1175371	-1.20	0.235	.6424725 1.
> 11635							
1.depressionBinary			1.937221	.3539027	3.62	0.001	1.34666 2.7
> 86764							
	_cons		.1393952	.0501796	-5.47	0.000	.0680872 .28
> 53843							
<hr/>							
> _____							
3							
	1.fsAny		.9468712	.0985003	-0.52	0.601	.7697781 1.1
> 64706							
	ageNew						
	2		1.079086	.1858658	0.44	0.660	.7658814 1.5
> 20375							
	3		1.012573	.142773	0.09	0.930	.7647861 1.3
> 40642							
	4		1.062053	.1293036	0.49	0.622	.8334924 1.
> 35329							
	edu						
	1		1.725756	.2154341	4.37	0.000	1.346069 2.2
> 12543							
	2		3.018027	.3216774	10.36	0.000	2.441105 3.7
> 31298							
	BMIcat						
	2		35.17644	37.70416	3.32	0.001	4.165747 297
> .0372							
	3		186.8058	201.5073	4.85	0.000	21.82318 159
> 9.053							
	4		442.2203	457.6218	5.89	0.000	56.37554 346
> 8.859							
	5		501.9033	523.2888	5.96	0.000	63.00073 399
> 8.476							
	6		753.2146	775.1298	6.44	0.000	97.12383 584
> 1.329							
	1.Male		.4824879	.0468018	-7.51	0.000	.3977726 .58
> 52455							
1.depressionBinary			.8279258	.1190681	-1.31	0.193	.6218302 1.1
> 02328							
	_cons		.0030473	.0029612	-5.96	0.000	.0004404 .02
> 10836							
<hr/>							
> _____							
4							
	1.fsAny		1.264082	.2209243	1.34	0.184	.8926808 1.7
> 90004							
	ageNew						
	2		.8991502	.2074006	-0.46	0.646	.5681168 1.4
> 23072							
	3		1.078866	.2593525	0.32	0.753	.6685926 1
> .7409							
	4		1.147683	.2370103	0.67	0.507	.7608594 1.7
> 31169							
	edu						

> 56561	1		1.281227	.3046038	1.04	0.300	.7981973	2.0
> 10269	2		2.905136	.5415557	5.72	0.000	2.004579	4.2
	BMIcat							
> 99499	2		1.686179	1.046471	0.84	0.402	.4902489	5.7
> 33738	3		4.910196	3.112091	2.51	0.014	1.390638	17.
> 26151	4		5.862833	3.929938	2.64	0.010	1.544047	22.
> 08985	5		3.710634	2.487337	1.96	0.054	.9772145	14.
> 18666	6		6.8758	4.8736	2.72	0.008	1.677269	28.
> 07501	1.Male		.9169241	.1268125	-0.63	0.532	.6962727	1.2
> 39328	1.depressionBinary		.6756972	.1773555	-1.49	0.139	.4007334	1.1
> 72078	_cons		.0258729	.0172055	-5.50	0.000	.0068864	.09
> _____								
5			(base outcome)					

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

```

57 .
end of do-file

58 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

59 . svy, subpop(if Race == 2):mlogit doingAbtWt i.fsAny i.ageNew i.edu i.BMIcat i
> .Male i.depressionBinary, rrr baseoutcome(5)
(running mlogit on estimation sample)
an error occurred when svy executed mlogit
—Break—
r(1);

end of do-file

—Break—
r(1);

60 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

61 . //base model
62 . svy: mlogit likeToWeigh i.fsAny, rrr baseoutcome(1)
(running mlogit on estimation sample)
variable likeToWeigh not found
an error occurred when svy executed mlogit
r(111);

end of do-file

r(111);

```

```
63 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"
```

```
64 . //base model
```

```
65 . svy: mlogit LikeToWeigh i.fsAny, rrr baseoutcome(1)
    (running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,722
Number of PSUs	=	154	Population size	=	191,259,244
			Design df	=	79
			F(2 , 78)	=	46.73
			Prob > F	=	0.0000

LikeToWeigh		Linearized		t	P> t	[95% Conf. Interval]	
		RRR	Std. Err.				
-1	1.fsAny	.4855998	.0368699	-9.51	0.000	.4174884	.5648232
	_cons	11.70672	.5024898	57.32	0.000	10.74807	12.75087
0	1.fsAny	.5296493	.0389217	-8.65	0.000	.457577	.6130735
	_cons	4.604573	.1897231	37.06	0.000	4.242009	4.998125
1	(base outcome)						

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

```
66 .
    end of do-file
```

```
67 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"
```

```
68 . //base model
```

```
69 . svy: mlogit LikeToWeigh i.fsAny, rrr baseoutcome(0)
    (running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,722
Number of PSUs	=	154	Population size	=	191,259,244
			Design df	=	79
			F(2 , 78)	=	46.73
			Prob > F	=	0.0000

LikeToWeigh		Linearized		t	P> t	[95% Conf. Interval]	
		RRR	Std. Err.				
-1	1.fsAny	.9168327	.0461393	-1.73	0.088	.8294445	1.013428
	_cons	2.542411	.0833498	28.46	0.000	2.381805	2.713848
0	(base outcome)						
1	1.fsAny	1.888042	.1387442	8.65	0.000	1.631126	2.185424
	_cons	.2171754	.0089483	-37.06	0.000	.200075	.2357373

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

```

70 .
    end of do-file

71 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

72 . svy: mlogit consid i.fsAny, rrr baseoutcome(0)
    (running mlogit on estimation sample)
variable consid not found
an error occurred when svy executed mlogit
r(111);

    end of do-file

r(111);

73 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

74 . svy: mlogit ConsiderWt i.fsAny, rrr baseoutcome(1)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,687
Number of PSUs	=	154	Population size	=	191,101,140
			Design df	=	79
			F(2 , 78)	=	32.23
			Prob > F	=	0.0000

ConsiderWt		Linearized		t	P> t	[95% Conf. Interval]	
		RRR	Std. Err.				
-1	1.fsAny	1.961649	.1722116	7.68	0.000	1.647148	2.336199
	_cons	.0669819	.0036456	-49.67	0.000	.0601047	.074646
0	1.fsAny	.9964161	.0444619	-0.08	0.936	.9117332	1.088964
	_cons	.7021743	.0218723	-11.35	0.000	.6599608	.747088
1	(base outcome)						

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

```

75 .
    end of do-file

76 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

77 . svy: mlogit ConsiderWt i.fsAny, rrr baseoutcome(0)
    (running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata = 75
Number of PSUs = 154
Number of obs = 22,687
Population size = 191,101,140
Design df = 79
F( 2, 78) = 32.23
Prob > F = 0.0000

```

ConsiderWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.968704	.1684786	7.92	0.000	1.660363	2.334307
_cons	.0953922	.005512	-40.67	0.000	.0850281	.1070194
0	(base outcome)					
1						
1.fsAny	1.003597	.0447823	0.08	0.936	.9183036	1.096812
_cons	1.424148	.0443613	11.35	0.000	1.33853	1.515242

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

```

78 .
end of do-file

79 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

80 .
81 . svy: mlogit LikeToWeigh i.fsAny i.ageNew i.edu i.Race i.Male, rrr baseoutcome
> (0)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,073
Number of PSUs	=	154	Population size	=	187,826,693
			Design df	=	79
			F(20, 60)	=	62.76
			Prob > F	=	0.0000

LikeToWeigh	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.098759	.0595171	1.74	0.086	.9864562	1.223847
ageNew						
2	1.513794	.0928565	6.76	0.000	1.339805	1.710377
3	1.842493	.1216163	9.26	0.000	1.61565	2.101186
4	1.801106	.1070158	9.90	0.000	1.60021	2.027224
edu						
1	1.573582	.1020606	6.99	0.000	1.383002	1.790424
2	1.778535	.0916825	11.17	0.000	1.605096	1.970715
Race						
1	.7783413	.0401428	-4.86	0.000	.7024036	.8624888
2	.9302223	.0441021	-1.53	0.131	.846454	1.022281
3	.5884069	.0393506	-7.93	0.000	.5150708	.6721846
1.Male	.4814589	.0165862	-21.22	0.000	.4495513	.5156312
_cons	1.648327	.113684	7.25	0.000	1.43689	1.890877
0	(base outcome)					
1						
1.fsAny	1.742034	.1208423	8.00	0.000	1.51737	1.999961
ageNew						
2	.6167852	.0535456	-5.57	0.000	.5189055	.7331276
3	.5002947	.0536435	-6.46	0.000	.4041449	.6193193
4	.4346625	.0379029	-9.55	0.000	.3654031	.5170494

edu						
1	1.183784	.1117923	1.79	0.078	.9809297	1.428589
2	.9387441	.0927222	-0.64	0.524	.7711947	1.142695
Race						
1	1.793912	.1431759	7.32	0.000	1.530411	2.102781
2	.7126065	.0626729	-3.85	0.000	.5981681	.8489388
3	1.05195	.1324343	0.40	0.689	.818779	1.351522
1.Male	2.093892	.1536377	10.07	0.000	1.809367	2.423159
_cons	.18894	.0212805	-14.79	0.000	.1509945	.2364213

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

```
82 .
    end of do-file

83 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

84 . svy: mlogit ConsiderWt i.fsAny i.ageNew i.edu i.Race i.Male, rrr baseoutcome(
    > 0)
    (running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,040
Number of PSUs	=	154	Population size	=	187,678,458
			Design df	=	79
			F(20, 60)	=	46.09
			Prob > F	=	0.0000

ConsiderWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.810507	.1527625	7.04	0.000	1.530603	2.141598
ageNew						
2	.718987	.0793939	-2.99	0.004	.577119	.8957291
3	.7092465	.0853744	-2.85	0.006	.5581377	.9012659
4	.8919401	.0776822	-1.31	0.193	.7499779	1.060774
edu						
1	1.19178	.1295087	1.61	0.110	.9599721	1.479563
2	.7435344	.0860345	-2.56	0.012	.5905768	.9361077
Race						
1	1.349498	.1183196	3.42	0.001	1.133393	1.606806
2	.7684698	.0891566	-2.27	0.026	.6100083	.9680947
3	1.206814	.1763383	1.29	0.202	.9022548	1.614179
1.Male	1.429265	.1212587	4.21	0.000	1.207184	1.692201
_cons	.1005436	.0149635	-15.44	0.000	.0747657	.1352091
0	(base outcome)					
1						
1.fsAny	1.167472	.0534814	3.38	0.001	1.065729	1.278928
ageNew						
2	1.680417	.1034474	8.43	0.000	1.486626	1.899471
3	2.180141	.1383475	12.28	0.000	1.921449	2.473662
4	2.475156	.1699991	13.20	0.000	2.158892	2.837751
edu						

1	1.532888	.0996427	6.57	0.000	1.346849	1.744625
2	1.432063	.0845843	6.08	0.000	1.273223	1.61072
Race						
1	.8881705	.0396578	-2.66	0.010	.8126397	.9707214
2	1.09812	.0487066	2.11	0.038	1.005328	1.199476
3	.6363727	.0412603	-6.97	0.000	.5593247	.7240342
1.Male	.5647914	.0197328	-16.35	0.000	.5268487	.6054666
_cons	.7932975	.0600821	-3.06	0.003	.6822848	.9223727

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

```

85 .
    end of do-file

86 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

87 .
88 . svy: mlogit LikeToWeigh i.fsAny i.ageNew i.edu i.Race i.Male i.BMIcat, rrr ba
    > seoutcome(0)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,846
Number of PSUs	=	154	Population size	=	186,126,895
			Design df	=	79
			F(30, 50)	=	109.94
			Prob > F	=	0.0000

LikeToWeigh	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	.8895221	.060916	-1.71	0.091	.7761725	1.019425
ageNew						
2	1.227113	.0902976	2.78	0.007	1.059923	1.420675
3	1.424964	.0991692	5.09	0.000	1.240635	1.636681
4	1.269176	.0757274	3.99	0.000	1.127051	1.429224
edu						
1	1.710717	.1285627	7.14	0.000	1.473039	1.986745
2	2.470083	.204127	10.94	0.000	2.095435	2.911714
Race						
1	.3510387	.0249197	-14.75	0.000	.3047823	.4043154
2	.6618465	.0370746	-7.37	0.000	.5920167	.739913
3	.8419386	.0687174	-2.11	0.038	.7156923	.9904544
1.Male	.2401232	.009892	-34.63	0.000	.2212193	.2606425
BMIcat						
2	36.64154	26.44872	4.99	0.000	8.709629	154.1515
3	261.1998	188.8553	7.70	0.000	61.93777	1101.514
4	1151.555	833.9923	9.73	0.000	272.4135	4867.887
5	3646.458	2672.216	11.19	0.000	847.982	15680.35
6	5137.203	3846.904	11.41	0.000	1157.191	22805.97
_cons	.0135	.0096482	-6.02	0.000	.0032549	.0559926
0	(base outcome)					
1						
1.fsAny	1.736073	.1263399	7.58	0.000	1.501965	2.006672

ageNew						
2	.7908745	.0781172	-2.38	0.020	.6497165	.9627006
3	.6069547	.0719794	-4.21	0.000	.4793374	.7685485
4	.5068503	.049584	-6.95	0.000	.4171702	.6158091
edu						
1	1.209393	.1181953	1.95	0.055	.9955991	1.469096
2	.9344729	.0969603	-0.65	0.516	.7601037	1.148843
Race						
1	2.471858	.2238679	9.99	0.000	2.064115	2.960146
2	1.05099	.0925103	0.56	0.574	.8820811	1.252243
3	.959586	.1297431	-0.31	0.761	.7331705	1.255922
1.Male	3.620186	.3083618	15.10	0.000	3.055618	4.289065
BMIcat						
2	.1603064	.0230547	-12.73	0.000	.1204009	.2134381
3	.0306879	.0054703	-19.54	0.000	.0215216	.0437581
4	.0163868	.0043619	-15.45	0.000	.009647	.0278353
5	.0125884	.0072293	-7.62	0.000	.0040136	.0394823
6	.0189608	.011728	-6.41	0.000	.0055356	.0649453
_cons	.8920259	.1390502	-0.73	0.466	.6540745	1.216544

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

```
89 .
end of do-file

90 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

91 . svy: mlogit ConsiderWt i.fsAny i.ageNew i.edu i.Race i.Male i.BMIcat, rrr bas
> eoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,814
Number of PSUs	=	154	Population size	=	185,986,392
			Design df	=	79
			F(30, 50)	=	95.33
			Prob > F	=	0.0000

ConsiderWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.783864	.1550962	6.66	0.000	1.500388	2.120898
ageNew						
2	.9634719	.1155978	-0.31	0.757	.7587923	1.223363
3	.8992298	.1189609	-0.80	0.424	.691054	1.170117
4	1.152898	.1160748	1.41	0.162	.9435352	1.408717
edu						
1	1.235278	.1357236	1.92	0.058	.9926272	1.537246
2	.7828999	.0954597	-2.01	0.048	.6141919	.997949
Race						
1	1.569431	.1584847	4.46	0.000	1.283657	1.918825
2	1.139356	.1298588	1.14	0.256	.9081013	1.429502
3	1.028928	.1665222	0.18	0.861	.7455609	1.419994
1.Male	2.368026	.2361995	8.64	0.000	1.941612	2.888088

BMICat						
2	.0832529	.0116033	-17.84	0.000	.0630839	.1098703
3	.0136934	.0023997	-24.48	0.000	.009661	.0194089
4	.0235693	.0072739	-12.14	0.000	.0127516	.0435642
5	.0347832	.0170947	-6.83	0.000	.0130776	.0925149
6	.158406	.0841816	-3.47	0.001	.0550024	.4562065
_cons	.8405646	.1464265	-1.00	0.322	.5942719	1.188932
0	(base outcome)					
1						
1.fsAny	.9229264	.0559002	-1.32	0.189	.8181053	1.041178
ageNew						
2	1.416667	.0976076	5.06	0.000	1.235118	1.624903
3	1.824375	.1452159	7.55	0.000	1.557065	2.137576
4	1.856104	.1358052	8.45	0.000	1.604553	2.147093
edu						
1	1.743676	.1353084	7.16	0.000	1.49412	2.034913
2	2.006517	.1788754	7.81	0.000	1.680274	2.396102
Race						
1	.4014974	.0284248	-12.89	0.000	.3487249	.4622561
2	.8182963	.0478089	-3.43	0.001	.72846	.9192116
3	1.013	.0814073	0.16	0.873	.8632582	1.188716
1.Male	.2913861	.0140759	-25.53	0.000	.2646736	.3207946
BMICat						
2	7.628387	4.588331	3.38	0.001	2.304026	25.25678
3	77.91367	46.48711	7.30	0.000	23.75995	255.4946
4	395.3569	236.7881	9.98	0.000	120.0206	1302.335
5	1319.469	805.9415	11.76	0.000	391.1935	4450.477
6	3448.05	2192.493	12.81	0.000	972.5362	12224.79
_cons	.0173525	.010323	-6.81	0.000	.0053101	.0567048

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

```

92 .
end of do-file

93 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

94 . svy: mlogit LikeToWeigh i.fsAny i.ageNew i.edu i.Race i.Male i.BMICat i.depre
> ssionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata   =      75
Number of PSUs    =     154
Number of obs     =    21,846
Population size   =  186,126,895
Design df        =      79
F( 32, 48)       =    100.51
Prob > F         =     0.0000

```

> _____		Linearized					
LikeToWeigh		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
-1							
> 13076	1.fsAny	.8865272	.0594304	-1.80	0.076	.7757864	1.0
	ageNew						
> 20294	2	1.227057	.0901561	2.78	0.007	1.060111	1.4
> 33588	3	1.423155	.0985989	5.09	0.000	1.23983	1.6
> 26405	4	1.267288	.0753055	3.99	0.000	1.125921	1.4
	edu						
> 90598	1	1.713753	.128932	7.16	0.000	1.475412	1.9
> 19433	2	2.475915	.2049688	10.95	0.000	2.099775	2.9
	Race						
> 04461	1	.3512107	.0249089	-14.75	0.000	.3049713	.4
> 40845	2	.66281	.0370634	-7.35	0.000	.5929946	.7
> 07401	3	.8422258	.0687186	-2.10	0.039	.7159742	.99
> 11989	1.Male	.2407253	.0098718	-34.73	0.000	.2218564	.26
	BMIcat						
> .4082	2	36.62125	26.47487	4.98	0.000	8.685522	154
> 2.993	3	260.9347	188.9727	7.68	0.000	61.72922	110
> 9.992	4	1148.981	833.6696	9.71	0.000	271.0799	486
> 93.77	5	3640.029	2672.296	11.17	0.000	844.2719	156
> 84.28	6	5118.651	3839.868	11.38	0.000	1149.941	227
1.depressionBinary		1.060631	.1302956	0.48	0.633	.830558	1.3
> 54436	_cons	.013439	.0096044	-6.03	0.000	.0032402	.05
> 57382							
> _____		(base outcome)					
> _____							
1							
> 89302	1.fsAny	1.63589	.1199818	6.71	0.000	1.413686	1.
	ageNew						
> 11324	2	.7887822	.0783143	-2.39	0.019	.6473378	.96
> 32324	3	.595523	.0702898	-4.39	0.000	.4708344	.75
	4	.4941799	.0489923	-7.11	0.000	.4056819	.60

> 19834

	edu						
> 95827	1	1.233283	.1195827	2.16	0.034	1.01682	1.4

> 79114	2	.961906	.0983928	-0.38	0.705	.7847103	1.1
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	Race						
> 80543	1	2.487082	.2261548	10.02	0.000	2.07532	2.9

> 83371	2	1.077675	.094578	0.85	0.397	.9049473	1.2
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> 72848	3	.9709678	.1320601	-0.22	0.829	.7406844	1.2
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> 18963	1.Male	3.72803	.3184498	15.40	0.000	3.145129	4.4
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	BMIcat						
> 92735	2	.1574044	.0225238	-12.92	0.000	.1183912	.20

> 31126	3	.0302148	.0053962	-19.59	0.000	.0211756	.04
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> 69148	4	.0158395	.004219	-15.56	0.000	.0093216	.02
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> 87009	5	.0123726	.0070886	-7.67	0.000	.0039555	.03
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> 18057	6	.0180066	.0111567	-6.48	0.000	.0052461	.06
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1.depressionBinary		1.96803	.2806246	4.75	0.000	1.481731	2.6
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> 13929							
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> 38078	_cons	.8442453	.1266732	-1.13	0.263	.6262752	1.1
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> _____

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

95 .

end of do-file

96 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

97 . svy: mlogit ConsiderWt i.fsAny i.ageNew i.edu i.Race i.Male i.BMIcat i.depres
 > sionBinary, rrr baseoutcome(0)
 (running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,814
Number of PSUs	=	154	Population size	=	185,986,392
			Design df	=	79
			F(32, 48)	=	96.47
			Prob > F	=	0.0000

> _____		RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
-1							
> 64161	1.fsAny	1.649038	.1448782	5.69	0.000	1.384471	1.9
	ageNew						
> 20077	2	.9615954	.1150154	-0.33	0.744	.7578748	1.2
> 41242	3	.8764085	.1162587	-0.99	0.323	.6730314	1.1
> 75114	4	1.1231	.1142277	1.14	0.257	.9172726	1.3
	edu						
> 73513	1	1.270425	.1365618	2.23	0.029	1.025717	1.5
> 37112	2	.8159777	.0983085	-1.69	0.095	.6419939	1.0
	Race						
> 29816	1	1.577646	.159703	4.50	0.000	1.289743	1.9
> 78125	2	1.174945	.1355028	1.40	0.166	.9339515	1.4
> 44862	3	1.04565	.1712446	0.27	0.786	.7547754	1.
> 73568	1.Male	2.433542	.2450288	8.83	0.000	1.991589	2.9
	BMIcat						
> 71033	2	.0811126	.0113269	-17.99	0.000	.0614291	.10
> 91262	3	.0134954	.0023643	-24.58	0.000	.0095223	.01
> 23796	4	.0229317	.0070755	-12.24	0.000	.0124083	.04
> 18414	5	.0343444	.016972	-6.82	0.000	.0128432	.09
> 86059	6	.1519964	.0809251	-3.54	0.001	.0526735	.43
> 73021	1.depressionBinary	2.313925	.3298235	5.89	0.000	1.74234	3.0
> 11812	_cons	.7868382	.1366669	-1.38	0.171	.5568517	1.1
> _____							
0		(base outcome)					
> _____							
1							
> 07631	1.fsAny	.8947226	.053421	-1.86	0.066	.7944661	1.0
	ageNew						
> 20959	2	1.412717	.0975925	5.00	0.000	1.231228	1.6
> 21183	3	1.811969	.1434314	7.51	0.000	1.547831	2.1
	4	1.840738	.13485	8.33	0.000	1.590978	2.1

> 29707

	edu						
	1	1.760608	.1366449	7.29	0.000	1.50859	2.0
> 54726							
	2	2.044136	.1817709	8.04	0.000	1.712541	2.4
> 39937							
	Race						
	1	.4012788	.0283866	-12.91	0.000	.3485742	.46
> 19524							
	2	.8267063	.0483072	-3.26	0.002	.7359344	.92
> 86743							
	3	1.015424	.0820005	0.19	0.850	.8646479	1.1
> 92491							
	1.Male	.2946075	.0142629	-25.24	0.000	.2675428	.
> 32441							
	BMIcat						
	2	7.594465	4.552629	3.38	0.001	2.302996	25.
> 04385							
	3	77.54358	46.09573	7.32	0.000	23.75085	253
> .1702							
	4	392.2744	234.0725	10.01	0.000	119.6114	128
> 6.493							
	5	1313.632	799.8282	11.79	0.000	390.9695	441
> 3.716							
	6	3403.095	2154.971	12.84	0.000	964.8871	12
> 002.5							
	1.depressionBinary	1.465454	.1470271	3.81	0.000	1.200173	1.7
> 89371							
	_cons	.0168859	.0099993	-6.89	0.000	.0051955	.05
> 48806							

> _____

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

98 .

end of do-file

99 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

100 . svy: mlogit LikeToWeigh i.fsAny##i.Race i.ageNew i.edu i.Male i.BMIcat i.depr
> essionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,846
Number of PSUs	=	154	Population size	=	186,126,895
			Design df	=	79
			F(38, 42)	=	92.24
			Prob > F	=	0.0000

> _____		Linearized					
	LikeToWeigh	RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
-1							
> 89753	1.fsAny	.8926718	.0894654	-1.13	0.261	.7312329	1.0
	Race						
> 53037	1	.3557395	.0276684	-13.29	0.000	.3047181	.41
> 35804	2	.6472525	.0407126	-6.92	0.000	.5710838	.73
> 37611	3	.8663959	.0784953	-1.58	0.117	.7234327	1.0
	fsAny#Race						
> 45778	1 1	.9616362	.1250712	-0.30	0.764	.7423024	1.2
> 69235	1 2	1.054926	.1382126	0.41	0.684	.8127669	1.3
> 80101	1 3	.8592593	.1720821	-0.76	0.451	.5767721	1.2
	ageNew						
> 19385	2	1.226412	.0900385	2.78	0.007	1.059674	1.4
> 32358	3	1.422422	.098378	5.09	0.000	1.239486	1.6
> 27437	4	1.267603	.0756269	3.97	0.000	1.125666	1.4
	edu						
> 94444	1	1.716697	.1293384	7.17	0.000	1.477629	1.9
> 24659	2	2.478788	.2059894	10.92	0.000	2.100891	2.9
> 09494	1.Male	.2405445	.0098397	-34.83	0.000	.2217351	.26
	BMIcat						
> .4554	2	36.65364	26.48764	4.98	0.000	8.698238	154
> 3.737	3	261.293	189.1405	7.69	0.000	61.85713	110
> 1.585	4	1150.098	834.1076	9.72	0.000	271.5185	487
> 95.49	5	3642.681	2673.111	11.17	0.000	845.4103	156
> 29.19	6	5127.804	3847.205	11.39	0.000	1151.788	228
1.depressionBinary		1.063215	.1301125	0.50	0.618	.833362	1.3
> 56464							
> 57087	_cons	.0133977	.009592	-6.02	0.000	.0032221	.05
> _____							
0		(base outcome)					
> _____							
1							
	1.fsAny	1.82486	.2225995	4.93	0.000	1.431474	2.3

> 26353

	Race						
	1	2.84471	.2976072	9.99	0.000	2.309947	3.5

> 03273

	2	1.050201	.117059	0.44	0.662	.8412383	1.3
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> 11071

	3	1.06739	.1749626	0.40	0.692	.7702416	1.4
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> 79173

	fsAny#Race						
	1 1	.6983162	.1273588	-1.97	0.052	.4857305	1.0

> 03943

	1 2	1.003531	.1845811	0.02	0.985	.6958772	1.4
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> 47201

	1 3	.6756638	.2016018	-1.31	0.193	.3730801	1.2
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> 23655

	ageNew						
	2	.7874605	.0779468	-2.41	0.018	.6466392	.95

> 89491

	3	.5930463	.0702294	-4.41	0.000	.4685114	.75
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> 06837

	4	.4973982	.0493845	-7.03	0.000	.4082044	.60
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> 60812

	edu						
	1	1.240029	.120843	2.21	0.030	1.021387	1.5

> 05474

	2	.9664093	.0991703	-0.33	0.740	.7878698	1.1
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> 85408

	1.Male	3.718609	.3176087	15.38	0.000	3.137242	4.
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> 40771

	BMIcat						
	2	.157391	.0225849	-12.89	0.000	.1182868	.20

> 94226

	3	.030152	.0053888	-19.59	0.000	.0211262	.0
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> 43034

	4	.0158439	.0042101	-15.60	0.000	.0093359	.02
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> 68885

	5	.012395	.0070848	-7.68	0.000	.0039733	.03
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> 86675

	6	.0181108	.011212	-6.48	0.000	.0052818	.06
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> 21004

1.depressionBinary		1.960578	.2820438	4.68	0.000	1.472407	2.6
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> 10601

_cons		.8196476	.1246542	-1.31	0.195	.6055648	1.1
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> 09414

> _____

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

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101 .
    end of do-file

102 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

103 . mlogtest, wald

```

Wald tests for independent variables (N=21846)

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

	F	df	df_r	P>F
1.fsAny	14.306	2	2	0.000
1.Race	179.695	2	2	0.000
2.Race	27.124	2	2	0.000
3.Race	1.794	2	2	0.173
1.fsAny#1.Race	1.940	2	2	0.151
1.fsAny#2.Race	0.087	2	2	0.917
1.fsAny#3.Race	0.958	2	2	0.388
2.ageNew	6.844	2	2	0.002
3.ageNew	31.150	2	2	0.000
4.ageNew	33.270	2	2	0.000
1.edu	25.560	2	2	0.000
2.edu	59.101	2	2	0.000
1.Male	784.083	2	2	0.000
2.BMIcat	91.254	2	2	0.000
3.BMIcat	218.911	2	2	0.000
4.BMIcat	168.734	2	2	0.000
5.BMIcat	91.397	2	2	0.000
6.BMIcat	90.152	2	2	0.000
1.depressionBi~y	12.101	2	2	0.000

```

104 .
    end of do-file

105 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

106 . svy: mlogit LikeToWeigh i.fsAny##i.Male i.ageNew i.edu i.Race i.BMIcat i.depr
> essionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,846
Number of PSUs	=	154	Population size	=	186,126,895
			Design df	=	79
			F(34 , 46)	=	93.47
			Prob > F	=	0.0000

> _____		Linearized					
LikeToWeigh		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
> -1							
1.fsAny		.7722586	.0653785	-3.05	0.003	.6524994	.91
> 39982							
1.Male		.2266707	.0105275	-31.96	0.000	.2066556	.24
> 86244							
fsAny#Male							
1 1		1.307313	.1342133	2.61	0.011	1.065695	1.6
> 03711							

	ageNew						
> 17654	2	1.224307	.0901898	2.75	0.007	1.057329	1.4
> 29512	3	1.420237	.098079	5.08	0.000	1.237839	1.6
> 26289	4	1.267221	.0752837	3.99	0.000	1.125893	1.4
	edu						
> 97543	1	1.71882	.1297718	7.17	0.000	1.478987	1.9
> 38844	2	2.488833	.2078174	10.92	0.000	2.107729	2.9
	Race						
> 58273	1	.3523289	.0250226	-14.69	0.000	.3058829	.40
> 62505	2	.6589051	.0367417	-7.48	0.000	.5896851	.73
> 18931	3	.8427238	.0690014	-2.09	0.040	.7159879	.99
	BMIcat						
> .7707	2	37.40523	27.04843	5.01	0.000	8.868256	157
> 2.741	3	270.0653	195.7221	7.73	0.000	63.82481	114
> 2.437	4	1185.997	861.185	9.75	0.000	279.5043	503
> 191.9	5	3750.128	2755.855	11.20	0.000	868.549	16
> 55.67	6	5282.589	3967.548	11.41	0.000	1184.672	235
1.depressionBinary		1.066871	.1303854	0.53	0.598	.8364998	1.3
> 60685	_cons	.0134356	.0096021	-6.03	0.000	.0032394	.05
> 57253							
<hr/>							
> _____							
0		(base outcome)					
<hr/>							
> _____							
1							
> 03636	1.fsAny	2.332388	.309079	6.39	0.000	1.79163	3.
> 78801	1.Male	4.458365	.5021622	13.27	0.000	3.562955	5.5
	fsAny#Male						
> 70007	1 1	.6143268	.0991264	-3.02	0.003	.4455692	.84
	ageNew						
> 47748	2	.791853	.0785782	-2.35	0.021	.6499249	.96
> 62059	3	.6021378	.0712533	-4.29	0.000	.4757767	.7
> 30952	4	.4940991	.0494829	-7.04	0.000	.4048016	.60
	edu						
> 91157	1	1.231004	.1185714	2.16	0.034	1.016239	1.4
> 78958	2	.9610283	.0986798	-0.39	0.700	.7833827	1.1

	Race						
> 65083	1	2.476481	.2240351	10.02	0.000	2.068394	2.9
> 90684	2	1.084012	.0950356	0.92	0.360	.9104335	1.2
> 71943	3	.9703726	.1319313	-0.22	0.826	.7403031	1.2
	BMIcat						
> 38233	2	.1521343	.0223556	-12.81	0.000	.1135534	.20
> 23712	3	.0295125	.0053623	-19.39	0.000	.0205561	.04
> 65828	4	.0156241	.0041716	-15.58	0.000	.0091831	.02
> 86645	5	.0123163	.0070787	-7.65	0.000	.0039233	.03
> 12048	6	.0178576	.0110512	-6.50	0.000	.0052103	.06
1.depressionBinary		1.960495	.2796551	4.72	0.000	1.475902	2.6
> 04199							
> 29007	_cons	.7588029	.1161232	-1.80	0.075	.5595507	1.0

> _____

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

107 .

end of do-file

108 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

109 . mlogtest, wald

Wald tests for independent variables (N=21846)

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

	F	df	df_r	P>F
1.fsAny	31.775	2	2	0.000
1.Male	633.813	2	2	0.000
1.fsAny#1.Male	9.887	2	2	0.000
2.ageNew	6.595	2	2	0.002
3.ageNew	29.970	2	2	0.000
4.ageNew	33.215	2	2	0.000
1.edu	25.553	2	2	0.000
2.edu	59.082	2	2	0.000
1.Race	188.639	2	2	0.000
2.Race	30.977	2	2	0.000
3.Race	2.186	2	2	0.119
2.BMIcat	90.860	2	2	0.000
3.BMIcat	215.030	2	2	0.000
4.BMIcat	168.780	2	2	0.000
5.BMIcat	91.601	2	2	0.000
6.BMIcat	91.026	2	2	0.000
1.depressionBi~y	12.276	2	2	0.000

```

110 .
    end of do-file

111 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

112 . svy: mlogit LikeToWeigh i.fsAny##i.Male##i.Race i.ageNew i.edu i.BMIcat i.de
    > pressBinary, rrr baseoutcome(0)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,846
Number of PSUs	=	154	Population size	=	186,126,895
			Design df	=	79
			F(52, 28)	=	64.99
			Prob > F	=	0.0000

> _____		Linearized					
LikeToWeigh		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
> -1							
	1.fsAny	.7840672	.1080595	-1.77	0.081	.5959593	1.0
> 31549							
	1.Male	.20953	.0129878	-25.21	0.000	.1852096	.2
> 37044							
	fsAny#Male						
	1 1	1.268031	.1985111	1.52	0.133	.9285407	1.7
> 31644							
	Race						
	1	.3121048	.0346146	-10.50	0.000	.2502809	.38
> 92003							
	2	.5721041	.0579555	-5.51	0.000	.4676329	.69
> 99147							
	3	.7471326	.0848516	-2.57	0.012	.5959685	.93
> 66387							
	fsAny#Race						
	1 1	.9454567	.1908442	-0.28	0.782	.6326313	1.4
> 12969							
	1 2	1.068898	.2006003	0.36	0.724	.7357097	1.5
> 52981							
	1 3	1.111989	.3108887	0.38	0.705	.6374129	1.9
> 39904							
	Male#Race						
	1 1	1.279598	.16333	1.93	0.057	.99251	1.6
> 49728							
	1 2	1.257407	.152596	1.89	0.063	.9875734	1.6
> 00968							
	1 3	1.376537	.217679	2.02	0.047	1.004823	1.8
> 85761							
	fsAny#Male#Race						
	1 1 1	1.119721	.2876736	0.44	0.661	.6714622	1.8
> 67232							
	1 1 2	.9639898	.2322255	-0.15	0.879	.5967991	1.5
> 57101							
	1 1 3	.5945668	.2140964	-1.44	0.153	.2903525	1.2
> 17519							
	ageNew						

> 14896	2	1.220974	.0904218	2.70	0.009	1.05363	1.4
> 27526	3	1.419188	.0976635	5.09	0.000	1.23752	1.6
> 30597	4	1.269465	.0762122	3.97	0.000	1.126482	1.4
> 09212	edu 1	1.728376	.1307368	7.23	0.000	1.486793	2.0
> 46386	2	2.494618	.2086027	10.93	0.000	2.11212	2.9
> .3225	BMIcat 2	39.30392	28.36694	5.09	0.000	9.344151	165
> 6.687	3	288.8717	208.6813	7.84	0.000	68.58531	121
> 1.612	4	1260.265	913.2206	9.85	0.000	297.8964	533
> 87.05	5	3970.661	2911.27	11.30	0.000	922.6955	170
> 37.09	6	5620.563	4218.497	11.50	0.000	1261.757	250
1.depressionBinary > 64326		1.069594	.1307842	0.55	0.584	.8385323	1.3
> 47914	_cons	.0131417	.0094265	-6.04	0.000	.003152	.05
> _____							
0		(base outcome)					
> _____							
> 1							
> 50426	1.fsAny	2.247715	.5014606	3.63	0.001	1.441737	3.
> 36199	1.Male	6.745203	1.243748	10.35	0.000	4.673052	9.7
> 72895	fsAny#Male 1 1	.7841888	.1908415	-1.00	0.321	.4831129	1.2
> 07834	Race 1	6.252746	1.49959	7.64	0.000	3.879293	10.
> 16325	2	1.939289	.462141	2.78	0.007	1.206819	3.1
> 63649	3	2.009473	.5496535	2.55	0.013	1.165817	3.4
> 58993	fsAny#Race 1 1	.661141	.2393295	-1.14	0.256	.3216406	1.3
> 84987	1 2	1.40648	.4300667	1.12	0.268	.7652594	2.5
> 96479	1 3	.6211921	.2743955	-1.08	0.284	.2578584	1.4
> 06826	Male#Race 1 1	.3477439	.0925615	-3.97	0.000	.2047222	.59
> 50449	1 2	.4514259	.1339983	-2.68	0.009	.2500296	.81
> 77085	1 3	.4297346	.1335493	-2.72	0.008	.2315029	.79

fsAny#Male#Race							
	1 1 1	.9969461	.3649844	-0.01	0.993	.481058	2.0
> 66074							
	1 1 2	.580904	.2213617	-1.43	0.158	.27208	1.2
> 40258							
	1 1 3	1.036262	.5924021	0.06	0.950	.332118	3.2
> 33305							
ageNew							
	2	.7882547	.0781711	-2.40	0.019	.6470533	.96
> 02694							
	3	.6008482	.0715889	-4.28	0.000	.4739905	.76
> 16578							
	4	.5016233	.050624	-6.84	0.000	.4103345	.61
> 32216							
edu							
	1	1.225616	.1191816	2.09	0.040	1.009936	1.4
> 87355							
	2	.9507696	.0975449	-0.49	0.624	.7751527	1.1
> 66174							
BMIcat							
	2	.1337293	.0208399	-12.91	0.000	.0980651	.18
> 23637							
	3	.0263935	.0050138	-19.13	0.000	.0180836	.03
> 85221							
	4	.0144005	.0038981	-15.67	0.000	.0084019	.02
> 46818							
	5	.0114831	.0066013	-7.77	0.000	.0036569	.03
> 60582							
	6	.016475	.0101935	-6.64	0.000	.0048081	.05
> 64519							
1.depressionBinary		1.916315	.2756246	4.52	0.000	1.439242	2.5
> 51526							
_cons		.6010765	.1132804	-2.70	0.008	.4130616	.87
> 46708							

> _____

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

```

113 .
    end of do-file

114 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

115 . mlogtest, wald

```

Wald tests for independent variables (N=21846)

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

	F	df	df_r	P>F
1.fsAny	9.908	2	2	0.000
1.Male	409.099	2	2	0.000
1.fsAny#1.Male	1.765	2	2	0.178
1.Race	107.826	2	2	0.000
2.Race	23.681	2	2	0.000
3.Race	9.007	2	2	0.000
1.fsAny#1.Race	0.646	2	2	0.527
1.fsAny#2.Race	0.629	2	2	0.536
1.fsAny#3.Race	0.719	2	2	0.491
1.Male#1.Race	11.819	2	2	0.000
1.Male#2.Race	6.778	2	2	0.002

```

1.Male#3.Race      6.068      2      2      0.004
1.fsAny#
1.Male#
1.Race            0.096      2      2      0.908
1.fsAny#
1.Male#
2.Race            1.005      2      2      0.371
1.fsAny#
1.Male#
3.Race            1.031      2      2      0.361
2.ageNew          6.477      2      2      0.002
3.ageNew          29.987      2      2      0.000
4.ageNew          31.993      2      2      0.000
1.edu             25.917      2      2      0.000
2.edu             59.018      2      2      0.000
2.BMIcat          92.586      2      2      0.000
3.BMIcat          211.411      2      2      0.000
4.BMIcat          171.203      2      2      0.000
5.BMIcat          93.702      2      2      0.000
6.BMIcat          92.691      2      2      0.000
1.depressionBi~y  11.256      2      2      0.000

```

```

116 .
    end of do-file

```

```

117 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

```

```

118 . svy, subpop(if Male ==0): mlogit LikeToWeigh i.fsAny i.Race i.ageNew i.edu i.
    > BMIcat, rrr baseoutcome(0)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

```

Number of strata   =          75      Number of obs       =      22,289
Number of PSUs     =          154      Population size    =  189,022,688
                                          Subpop. no. obs    =    11,284
                                          Subpop. size      =  94,903,888.1
                                          Design df        =          79
                                          F( 28,          52) =    55.66
                                          Prob > F          =    0.0000

```

LikeToWeigh	Linearized		t	P> t	[95% Conf. Interval]	
	RRR	Std. Err.				
-1						
1.fsAny	.8202333	.0714083	-2.28	0.026	.6897321	.9754261
Race						
1	.3530039	.0328455	-11.19	0.000	.2933234	.4248271
2	.6173701	.0539754	-5.52	0.000	.5187633	.7347201
3	.743964	.0734739	-2.99	0.004	.6111948	.9055746
ageNew						
2	1.172971	.1203641	1.55	0.124	.9562749	1.438771
3	1.308753	.1347972	2.61	0.011	1.066162	1.606543
4	1.081131	.1036979	0.81	0.418	.8932329	1.308556
edu						
1	1.914534	.2163814	5.75	0.000	1.528845	2.397522
2	2.468282	.2744847	8.12	0.000	1.978175	3.079816
BMIcat						
2	40.55607	30.24226	4.97	0.000	9.192851	178.9211
3	267.2668	199.9568	7.47	0.000	60.28501	1184.897
4	893.1191	669.5723	9.06	0.000	200.8337	3971.752
5	1972.169	1535.662	9.74	0.000	418.6317	9290.861

6		2661.589	2101.189	9.99	0.000	552.9785	12810.73
_cons		.0142431	.0105696	-5.73	0.000	.0032518	.0623871
0		(base outcome)					
1							
1.fsAny		1.97689	.2651739	5.08	0.000	1.513662	2.58188
Race							
1		5.089344	.8951531	9.25	0.000	3.586057	7.222814
2		2.203188	.3853211	4.52	0.000	1.55549	3.120584
3		1.784846	.4268171	2.42	0.018	1.108877	2.872884
ageNew							
2		1.109519	.1755787	0.66	0.513	.8097275	1.520304
3		.9285927	.1864042	-0.37	0.713	.6227283	1.384688
4		.8417943	.1464776	-0.99	0.325	.595371	1.190212
edu							
1		.9644095	.1559538	-0.22	0.823	.698994	1.330606
2		.5049655	.0856368	-4.03	0.000	.3602977	.7077206
BMIcat							
2		.1143146	.0219303	-11.31	0.000	.0780307	.1674704
3		.031406	.0072674	-14.96	0.000	.0198143	.0497788
4		.0200382	.0086363	-9.07	0.000	.0084975	.0472528
5		.0231427	.0179009	-4.87	0.000	.0049633	.1079097
6		.0326284	.0213498	-5.23	0.000	.0088708	.1200125
_cons		.8782777	.1860483	-0.61	0.542	.5761221	1.338903

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

```

119 .
    end of do-file

120 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

121 . svy, subpop(if Male ==1): mlogit LikeToWeigh i.fsAny i.Race i.ageNew i.edu i.
    > BMIcat, rrr baseoutcome(0)
    (running mlogit on estimation sample)

Survey: Multinomial logistic regression

```

Number of strata	=	75	Number of obs	=	22,321
Number of PSUs	=	154	Population size	=	188,730,527
			Subpop. no. obs	=	10,562
			Subpop. size	=	91,223,007.3
			Design df	=	79
			F(28, 52)	=	4768.15
			Prob > F	=	0.0000

LikeToWeigh	Linearized		t	P> t	[95% Conf. Interval]	
	RRR	Std. Err.				
-1						
1.fsAny	.9893311	.0860464	-0.12	0.902	.8320654	1.176321
Race						
1	.3769715	.0329336	-11.17	0.000	.3168019	.448569
2	.7066643	.0484455	-5.06	0.000	.6165257	.8099814
3	1.000032	.1276435	0.00	1.000	.7756706	1.289291
ageNew						
2	1.305041	.1217166	2.85	0.006	1.083929	1.571259

3	1.573062	.1509836	4.72	0.000	1.2995	1.904213
4	1.524533	.1357871	4.73	0.000	1.276858	1.820249
edu						
1	1.53994	.1157201	5.75	0.000	1.326004	1.788394
2	2.405277	.2202476	9.58	0.000	2.004516	2.886162
BMICat						
2	33.47376	34.29157	3.43	0.001	4.35656	257.1967
3	306.1531	312.5904	5.61	0.000	40.11631	2336.449
4	1473.985	1507.443	7.13	0.000	192.4994	11286.43
5	6667.963	6915.731	8.49	0.000	846.1175	52547.94
6	12034.88	13125.06	8.62	0.000	1373.076	105484.6
_cons	.0025252	.0025539	-5.91	0.000	.0003373	.0189042
0	(base outcome)					
1						
1.fsAny	1.665723	.1489559	5.71	0.000	1.394122	1.990236
Race						
1	1.961767	.2083311	6.35	0.000	1.587989	2.423524
2	.8527636	.0949885	-1.43	0.157	.6831865	1.064432
3	.770565	.1169748	-1.72	0.090	.569618	1.042401
ageNew						
2	.7069952	.0857522	-2.86	0.005	.5553508	.9000476
3	.5310359	.0823463	-4.08	0.000	.3900114	.7230535
4	.4330537	.0513356	-7.06	0.000	.342033	.5482964
edu						
1	1.326799	.1605999	2.34	0.022	1.042727	1.688262
2	1.166913	.1483724	1.21	0.228	.9059939	1.502975
BMICat						
2	.1689653	.0482033	-6.23	0.000	.0957602	.2981329
3	.0318161	.0097164	-11.29	0.000	.0173242	.0584307
4	.0166675	.0067479	-10.11	0.000	.0074455	.0373114
5	.0071693	.0072833	-4.86	0.000	.000949	.0541588
6	1.12e-11	5.26e-12	-53.87	0.000	4.43e-12	2.85e-11
_cons	3.126502	.9626855	3.70	0.000	1.693898	5.770721

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

```

122 .
    end of do-file

123 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

124 .
125 . svy, subpop(if Male ==0): mlogit LikeToWeigh i.fsAny i.Race i.ageNew i.depres
    > sionBinary i.edu i.BMICat, rrr baseoutcome(0)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,289
Number of PSUs	=	154	Population size	=	189,022,688
			Subpop. no. obs	=	11,284
			Subpop. size	=	94,903,888.1
			Design df	=	79
			F(30, 50)	=	52.84
			Prob > F	=	0.0000

> _____		RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
-1							
	1.fsAny	.8182542	.0698764	-2.35	0.021	.6903472	.96
> 98597							
	Race						
	1	.3526177	.0327457	-11.22	0.000	.2931083	.42
> 42092							
	2	.6181817	.0540058	-5.51	0.000	.5195131	.73
> 55901							
	3	.7442198	.0732386	-3.00	0.004	.6118311	.90
> 52548							
	ageNew						
	2	1.173248	.1205933	1.55	0.124	.9561747	1.4
> 39601							
	3	1.305674	.1341279	2.60	0.011	1.064224	1.6
> 01903							
	4	1.080657	.1036324	0.81	0.421	.8928739	1.3
> 07934							
	1.depressionBinary	1.055416	.1301936	0.44	0.663	.8256352	1.3
> 49147							
	edu						
	1	1.922607	.2188785	5.74	0.000	1.532775	2.4
> 11585							
	2	2.478912	.2779765	8.10	0.000	1.983014	3.0
> 98822							
	BMIcat						
	2	40.52065	30.24914	4.96	0.000	9.169816	179
> .0574							
	3	266.8745	199.9446	7.46	0.000	60.07035	118
> 5.643							
	4	890.513	668.983	9.04	0.000	199.6379	397
> 2.258							
	5	1966.354	1534.416	9.72	0.000	416.0133	92
> 94.29							
	6	2648.234	2096.721	9.95	0.000	547.6973	128
> 04.78							
	_cons	.0141689	.0104999	-5.74	0.000	.0032414	.06
> 19348							
> _____							
0		(base outcome)					
> _____							
1							
	1.fsAny	1.854875	.2590963	4.42	0.000	1.404644	2.
> 44942							
	Race						
	1	4.978104	.860556	9.28	0.000	3.52882	7.0
> 22608							
	2	2.267471	.3905195	4.75	0.000	1.609392	3.1
> 94639							
	3	1.84606	.442651	2.56	0.012	1.145431	2.9
> 75246							

	ageNew						
	2	1.112565	.1761437	0.67	0.502	.8118306	1.5
> 24705							
	3	.8878305	.1779027	-0.59	0.554	.5958185	1.3
> 22958							
	4	.8262462	.1451765	-1.09	0.281	.5824006	1.1
> 72188							
1.depressionBinary		2.393403	.4340582	4.81	0.000	1.668185	3
> .4339							
	edu						
	1	1.03504	.1691498	0.21	0.834	.747631	1.4
> 32937							
	2	.5469421	.0925038	-3.57	0.001	.3906062	.76
> 58497							
	BMICat						
	2	.1116307	.0211768	-11.56	0.000	.0765235	.16
> 28441							
	3	.0306187	.0071244	-14.98	0.000	.0192685	.04
> 86549							
	4	.0190815	.0082385	-9.17	0.000	.0080796	.04
> 50648							
	5	.0221119	.0170857	-4.93	0.000	.0047498	.10
> 29376							
	6	.0297807	.0196621	-5.32	0.000	.0080021	.11
> 08321							
	_cons	.7858872	.1643551	-1.15	0.253	.5182947	1.1
> 91636							

> _____

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

```
126 . svy, subpop(if Male ==1): mlogit LikeToWeigh i.fsAny i.Race i.ageNew i.depres
> sionBinary i.edu i.BMICat, rrr baseoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,321
Number of PSUs	=	154	Population size	=	188,730,527
			Subpop. no. obs	=	10,562
			Subpop. size	=	91,223,007.3
			Design df	=	79
			F(30, 50)	=	4479.40
			Prob > F	=	0.0000

> _____							
	LikeToWeigh		Linearized				
> rval]		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> _____							
-1							
	1.fsAny	.9799977	.0852853	-0.23	0.817	.8241308	1.1
> 65344							
	Race						
	1	.3773043	.0330881	-11.11	0.000	.3168719	.44
> 92621							
	2	.7091136	.0491153	-4.96	0.000	.6177917	.81
> 39346							
	3	1.000284	.1273649	0.00	0.998	.7763454	1.2
> 88818							

	ageNew						
	2	1.303728	.1211096	2.86	0.005	1.083639	1.5
> 68517							
	3	1.57095	.150572	4.71	0.000	1.298099	1.9
> 01154							
	4	1.518724	.1349136	4.70	0.000	1.272587	1.8
> 12467							
1.depressionBinary		1.139619	.197179	0.76	0.452	.8075925	1.6
> 08151							
	edu						
	1	1.542045	.1157551	5.77	0.000	1.328027	1.7
> 90553							
	2	2.41473	.221569	9.61	0.000	2.011638	2.8
> 98594							
	BMIcat						
	2	33.45789	34.27965	3.43	0.001	4.353369	257
> .1412							
	3	306.3114	312.7626	5.61	0.000	40.13431	233
> 7.817							
	4	1472.165	1505.987	7.13	0.000	192.1563	112
> 78.67							
	5	6672.349	6918.992	8.49	0.000	846.9998	525
> 62.29							
	6	12003.97	13089.47	8.61	0.000	1369.977	105
> 180.8							
	_cons	.0025105	.0025388	-5.92	0.000	.0003354	.01
> 87909							
> _____							
0		(base outcome)					
> _____							
1							
	1.fsAny	1.595561	.1371774	5.43	0.000	1.344602	1.
> 89336							
	Race						
	1	1.98002	.2110399	6.41	0.000	1.601524	2.4
> 47969							
	2	.8672248	.0968972	-1.27	0.206	.6942972	1.0
> 83223							
	3	.7748	.1182325	-1.67	0.098	.5718446	1.0
> 49787							
	ageNew						
	2	.7044061	.0863286	-2.86	0.005	.5519266	.89
> 90107							
	3	.5260897	.0816426	-4.14	0.000	.3862862	.71
> 64903							
	4	.4238731	.0505898	-7.19	0.000	.334244	.53
> 75367							
1.depressionBinary		1.626756	.2966744	2.67	0.009	1.131548	2.3
> 38688							
	edu						
	1	1.335714	.1607785	2.40	0.019	1.051143	1.6
> 97327							
	2	1.181557	.1500207	1.31	0.193	.9176936	1.5
> 21289							
	BMIcat						

> 60754	2	.1668458	.0480763	-6.21	0.000	.0940217	.29
> 83903	3	.0315466	.009758	-11.17	0.000	.0170437	.05
> 67515	4	.0163637	.0066518	-10.12	0.000	.007286	.03
> 53903	5	.0071126	.0072372	-4.86	0.000	.0009385	.0
> 2e-11	6	1.10e-11	5.21e-12	-53.28	0.000	4.28e-12	2.8
> 25772	_cons	3.089186	.9576945	3.64	0.000	1.666687	5.7

> _____

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

127 .

end of do-file

128 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

129 . svy: mlogit ConsiderWt i.fsAny##i.Race i.Male i.ageNew i.edu i.BMIcat i.depr
> sessionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,814
Number of PSUs	=	154	Population size	=	185,986,392
			Design df	=	79
			F(38, 42)	=	82.43
			Prob > F	=	0.0000

		RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte	
> _____	ConsiderWt						
> rval]							
> _____							
-1	1.fsAny	1.804583	.2540924	4.19	0.000	1.363516	2.3
> 88326							
	Race						
	1	1.755415	.2231735	4.43	0.000	1.362949	2.2
> 60893							
	2	1.18156	.1915324	1.03	0.307	.8557143	1.6
> 31485							
	3	1.124932	.2383253	0.56	0.580	.7378833	1.7
> 15002							
	fsAny#Race						
	1 1	.7615527	.1526316	-1.36	0.178	.5110309	1.1
> 34887							
	1 2	.9453602	.2087674	-0.25	0.800	.6091153	1.
> 46722							
	1 3	.7470313	.2597812	-0.84	0.404	.3738764	1.4
> 92621							
	1.Male	2.428654	.2444284	8.82	0.000	1.987766	2.9
> 67332							
	ageNew						
	2	.9601856	.1145995	-0.34	0.734	.7571517	1.2
> 17664							

> 39163	3		.8743808	.1162063	-1.01	0.316	.6711433	1.1
> 80612	4		1.129346	.1139803	1.21	0.232	.9238094	1.3
> 72811	edu 1		1.272749	.1353577	2.27	0.026	1.029932	1.5
> 03953	2		.8186127	.0982577	-1.67	0.099	.6446441	1.
> 71435	BMIcat 2		.08121	.0113069	-18.03	0.000	.0615536	.10
> 91451	3		.0135131	.0023652	-24.59	0.000	.0095379	.01
> 23653	4		.0229115	.0070755	-12.23	0.000	.0123907	.04
> 15916	5		.0342373	.016926	-6.83	0.000	.0127981	.09
> 75792	6		.1516529	.080736	-3.54	0.001	.0525587	.43
1.depressionBinary > 58241			2.304069	.3277787	5.87	0.000	1.735879	3.0
> 89113	_cons		.7676468	.1349013	-1.50	0.136	.5410657	1.0
> _____ 0			(base outcome)					
> _____ 1								
> 63235	1.fsAny		.9599952	.092617	-0.42	0.673	.7922656	1.1
> 48967	Race 1		.4256329	.0365184	-9.96	0.000	.3588128	.50
> 28835	2		.8446684	.0599707	-2.38	0.020	.7333506	.97
> 52139	3		1.043215	.0956741	0.46	0.646	.8691513	1.2
> 85736	fsAny#Race 1 1		.8096022	.1193669	-1.43	0.156	.6036974	1.0
> 17739	1 2		.9089124	.1181807	-0.73	0.465	.701655	1.
> 10909	1 3		.8514556	.1845951	-0.74	0.460	.5530337	1.3
> 42019	1.Male		.2942502	.0143301	-25.12	0.000	.2670656	.32
> 22774	ageNew 2		1.414422	.0976485	5.02	0.000	1.232821	1.6
> 22379	3		1.81279	.1435976	7.51	0.000	1.54836	2.1
> 37804	4		1.847302	.1355492	8.36	0.000	1.596276	2.1
> 52684	edu 1		1.759218	.1363564	7.29	0.000	1.507707	2.0
	2		2.046325	.1822461	8.04	0.000	1.713908	2.4

> 43217

	BMIcat						
	2	7.607198	4.559178	3.39	0.001	2.307512	25.
> 07873	3	77.7016	46.17416	7.32	0.000	23.8087	253
> .5853	4	393.1226	234.4619	10.02	0.000	119.9409	128
> 8.513	5	1316.58	801.2622	11.80	0.000	392.0608	442
> 1.208	6	3418.211	2164.271	12.85	0.000	969.3262	120
> 53.91							
1.depressionBinary		1.458496	.14542	3.79	0.000	1.195957	1.7
> 78668							
	_cons	.0166646	.0098788	-6.91	0.000	.005121	.05
> 42298							

> _____

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

130 .
end of do-file

131 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

132 . svy: mlogit ConsiderWt i.fsAny##i.Male i.ageNew i.edu i.Race i.BMIcat i.depre
> ssionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,814
Number of PSUs	=	154	Population size	=	185,986,392
			Design df	=	79
			F(34 , 46)	=	87.90
			Prob > F	=	0.0000

> _____							
	ConsiderWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
-1							
	1.fsAny	2.007643	.3092683	4.52	0.000	1.477485	2.7
> 28034							
	1.Male	2.697084	.3290374	8.13	0.000	2.115606	3.4
> 38383							
	fsAny#Male						
	1 1	.7452536	.141718	-1.55	0.126	.5104124	1.0
> 88145							
	ageNew						
	2	.9649252	.1152637	-0.30	0.766	.7607344	1.2
> 23923							
	3	.8830521	.1176816	-0.93	0.354	.6773059	1.1
> 51298							
	4	1.124569	.1144461	1.15	0.252	.9183598	1.
> 37708							
	edu						
	1	1.270074	.1361664	2.23	0.029	1.026009	1.5
> 72197							

> 38397	2		.8171199	.0983802	-1.68	0.097	.6429957	1.0
	Race							
> 24937	1		1.57474	.1588648	4.50	0.000	1.288253	1.9
> 82027	2		1.179055	.1354704	1.43	0.156	.9380193	1.4
> 48442	3		1.045296	.1712998	0.27	0.788	.7543576	1.4
	BMIcat							
> 60052	2		.0802103	.0112364	-18.01	0.000	.0606923	.10
> 88507	3		.0133298	.0023208	-24.80	0.000	.0094258	.01
> 22564	4		.0227496	.0070772	-12.16	0.000	.0122477	.04
> 15525	5		.0341948	.016919	-6.82	0.000	.0127717	.09
> 66239	6		.1509658	.0805489	-3.54	0.001	.0521975	.43
1.depressionBinary			2.305994	.3289167	5.86	0.000	1.736034	3.
> 06308								
> 50602	_cons		.740969	.129979	-1.71	0.091	.5225908	1.0
<hr/>								
> _____								
0		(base outcome)						
<hr/>								
> _____								
1								
> 47055	1.fsAny		.8125568	.0625288	-2.70	0.009	.6971597	.9
> 64828	1.Male		.2823814	.0161744	-22.08	0.000	.2519545	.31
	fsAny#Male							
> 50284	1 1		1.202794	.1345794	1.65	0.103	.9626532	1.
	ageNew							
> 19503	2		1.411771	.0973648	5.00	0.000	1.230685	1.6
> 19986	3		1.811606	.1430718	7.52	0.000	1.548083	2.1
> 30141	4		1.840803	.1350106	8.32	0.000	1.590766	2.1
	edu							
> 59119	1		1.764351	.1369458	7.32	0.000	1.51178	2.0
> 49078	2		2.050952	.1827998	8.06	0.000	1.717546	2.4
	Race							
> 30575	1		.4020816	.0285224	-12.84	0.000	.3491351	.46
> 57324	2		.8239787	.0482024	-3.31	0.001	.7334094	.92
> 94105	3		1.016418	.0822716	0.20	0.841	.8651712	1.1
	BMIcat							
> .2286	2		7.661769	4.587305	3.40	0.001	2.326831	25

3	79.10137	46.95303	7.36	0.000	24.26992	2	
> 57.81	4	400.0372	238.251	10.06	0.000	122.254	130
> 8.994	5	1338.243	813.2662	11.85	0.000	399.212	448
> 6.073	6	3471.596	2196.087	12.89	0.000	985.586	122
> 28.24							
1.depressionBinary		1.471059	.147223	3.86	0.000	1.205361	1.7
> 95325							
> 50465	_cons	.0169451	.0100302	-6.89	0.000	.0052162	.05

> _____

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

133 .

end of do-file

134 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

135 . svy: mlogit ConsiderWt i.fsAny##i.Male##i.Race i.ageNew i.edu i.BMIcat i.dep
> ressessionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	21,814
Number of PSUs	=	154	Population size	=	185,986,392
			Design df	=	79
			F(52, 28)	=	61.19
			Prob > F	=	0.0000

		RRR	Linearized Std. Err.	t	P> t	[95% Conf. Inte	
> _____	ConsiderWt						
> rval]							
> _____							
-1							
> 12534	1.fsAny	1.742474	.4497169	2.15	0.034	1.042466	2.9
> 41898	1.Male	3.099438	.5249024	6.68	0.000	2.212515	4.3
> 44646	fsAny#Male 1 1	1.043765	.2986133	0.15	0.881	.5905989	1.8
> 96777	Race 1	2.849126	.5880942	5.07	0.000	1.889211	4.2
> 48976	2	1.141719	.2765299	0.55	0.586	.7049972	1.8
> 56819	3	1.408728	.3936331	1.23	0.224	.8077571	2.4
> 14135	fsAny#Race 1 1	.7951811	.306852	-0.59	0.554	.3688817	1.7
> 59044	1 2	2.114722	.7438328	2.13	0.036	1.050013	4.2
> 90198	1 3	.6859522	.3493184	-0.74	0.461	.2489319	1.8

	Male#Race						
> 99001	1 1	.4819176	.119637	-2.94	0.004	.2940176	.78
> 23903	1 2	1.035479	.3486349	0.10	0.918	.5297768	2.0
> 13223	1 3	.6942638	.2223191	-1.14	0.258	.3670377	1.3
	fsAny#Male#Race						
> 58746	1 1 1	.9511551	.4132947	-0.12	0.909	.4005302	2.2
> 91667	1 1 2	.3013799	.1358404	-2.66	0.009	.1228814	.73
> 39397	1 1 3	1.170457	.8098378	0.23	0.821	.2952903	4.6
	ageNew						
> 15016	2	.9577273	.1144919	-0.36	0.719	.7549215	1.2
> 47503	3	.8805875	.1171288	-0.96	0.342	.6757582	1.1
> 97936	4	1.141718	.1161324	1.30	0.196	.93246	1.3
	edu						
> 69132	1	1.267509	.1359363	2.21	0.030	1.023864	1.5
> 30443	2	.8127297	.0969116	-1.74	0.086	.6410152	1.0
	BMIcat						
> 25121	2	.0774358	.0109137	-18.15	0.000	.0584936	.10
> 81809	3	.0128003	.0022566	-24.72	0.000	.0090121	.01
> 09107	4	.022006	.0068554	-12.25	0.000	.0118371	.04
> 85506	5	.0330624	.0163643	-6.89	0.000	.0123446	.08
> 77568	6	.1445943	.077073	-3.63	0.001	.0500471	.41
1.depressionBinary		2.267036	.3233031	5.74	0.000	1.706789	3.0
> 11181							
> 50046	_cons	.6854201	.1283462	-2.02	0.047	.4721593	.99
> _____							
0		(base outcome)					
> _____							
1							
> 77619	1.fsAny	.9202749	.1140037	-0.67	0.504	.7191682	1.1
> 39602	1.Male	.2715752	.0197874	-17.89	0.000	.2349123	.31
	fsAny#Male						
> 94888	1 1	1.077306	.1773027	0.45	0.652	.7763718	1.4
	Race						
> 71486	1	.3952543	.0455452	-8.06	0.000	.314244	.49
> 20473	2	.7728597	.0768639	-2.59	0.011	.6340575	.94
	3	1.014694	.1274186	0.12	0.908	.7902857	1.3

> 02824

fsAny#Race							
1 1	.7167904	.1384289	-1.72	0.089	.4880321	1.0	

> 52776

1 2	.8825609	.1453184	-0.76	0.450	.6359306	1.2
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> 24841

1 3	.9225416	.2153459	-0.35	0.731	.5796985	1.4
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> 68148

Male#Race						
1 1	1.140954	.1581652	0.95	0.344	.8658335	1.5

> 03494

1 2	1.169507	.1546715	1.18	0.240	.8988291	1.5
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> 21697

1 3	1.059077	.1861786	0.33	0.745	.7463881	1.5
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> 02764

fsAny#Male#Race						
1 1 1	1.381437	.3241091	1.38	0.172	.8660005	2.2

> 03657

1 1 2	1.052313	.2368846	0.23	0.821	.6722826	1.6
-------	----------	----------	------	-------	----------	-----

> 47169

1 1 3	.8414776	.2883825	-0.50	0.616	.4253928	1.6
-------	----------	----------	-------	-------	----------	-----

> 64543

ageNew						
2	1.412176	.0974776	5.00	0.000	1.230891	1.6

> 20161

3	1.812423	.1427155	7.55	0.000	1.549498	2.1
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> 19963

4	1.847716	.1359698	8.34	0.000	1.595962	2.1
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> 39182

edu						
1	1.762796	.1366315	7.31	0.000	1.510778	2.0

> 56855

2	2.054598	.1833893	8.07	0.000	1.720159	2.
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> 45406

BMIcat						
2	7.86079	4.701879	3.45	0.001	2.390046	25.

> 85391

3	82.40606	48.76577	7.45	0.000	25.37494	267
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> .6167

4	416.8911	247.6983	10.15	0.000	127.7643	136
---	----------	----------	-------	-------	----------	-----

> 0.303

5	1389.511	842.2682	11.94	0.000	415.7866	464
---	----------	----------	-------	-------	----------	-----

> 3.584

6	3628.872	2296.166	12.95	0.000	1029.904	127
---	----------	----------	-------	-------	----------	-----

> 86.35

1.depressionBinary	1.464557	.1465996	3.81	0.000	1.199989	1.7
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> 87456

_cons	.0164909	.0097801	-6.92	0.000	.005065	.05
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> 36921

> _____

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

```

136 .
    end of do-file

137 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

138 . mlogtest, wald

```

Wald tests for independent variables (N=21814)

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

	F	df	df_r	P>F
1.fsAny	2.722	2	2	0.072
1.Male	186.653	2	2	0.000
1.fsAny#1.Male	0.105	2	2	0.901
1.Race	48.554	2	2	0.000
2.Race	3.517	2	2	0.034
3.Race	0.761	2	2	0.470
1.fsAny#1.Race	1.699	2	2	0.190
1.fsAny#2.Race	2.606	2	2	0.080
1.fsAny#3.Race	0.277	2	2	0.759
1.Male#1.Race	4.768	2	2	0.011
1.Male#2.Race	0.700	2	2	0.500
1.Male#3.Race	0.700	2	2	0.500
1.fsAny#1.Male#1.Race	0.943	2	2	0.394
1.fsAny#1.Male#2.Race	3.529	2	2	0.034
1.fsAny#1.Male#3.Race	0.181	2	2	0.835
2.ageNew	12.989	2	2	0.000
3.ageNew	30.372	2	2	0.000
4.ageNew	34.365	2	2	0.000
1.edu	26.569	2	2	0.000
2.edu	35.302	2	2	0.000
2.BMIcat	167.495	2	2	0.000
3.BMIcat	341.156	2	2	0.000
4.BMIcat	123.202	2	2	0.000
5.BMIcat	99.631	2	2	0.000
6.BMIcat	96.961	2	2	0.000
1.depressionBi~y	19.337	2	2	0.000

```

139 .
    end of do-file

140 . do "C:\Users\SARAH~1.VAN\AppData\Local\Temp\STD62e0_000000.tmp"

141 . svy, subpop(if Male == 1): mlogit ConsiderWt i.fsAny i.ageNew i.edu i.BMIcat
    > i.Race, rrr baseoutcome(0)
    (running mlogit on estimation sample)

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,301
Number of PSUs	=	154	Population size	=	188,664,028
			Subpop. no. obs	=	10,542
			Subpop. size	=	91,156,508.6
			Design df	=	79
			F(28, 52)	=	53.69
			Prob > F	=	0.0000

ConsiderWt	RRR	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
-1						
1.fsAny	1.738955	.1884216	5.11	0.000	1.401597	2.157514
ageNew						
2	.9987284	.1603047	-0.01	0.994	.7255995	1.374668
3	.8640457	.1562523	-0.81	0.421	.602855	1.238399
4	.9750091	.1357405	-0.18	0.856	.7390287	1.286341
edu						
1	1.460185	.2082282	2.65	0.010	1.099347	1.939459
2	1.002943	.1483644	0.02	0.984	.7471365	1.346332
BMIcat						
2	.0965015	.0259489	-8.70	0.000	.0565052	.1648084
3	.0113583	.003344	-15.21	0.000	.0063214	.0204086
4	.0123644	.0064207	-8.46	0.000	.0043983	.0347588
5	.0239867	.0191113	-4.68	0.000	.0049117	.1171409
6	.0280676	.0270413	-3.71	0.000	.0041245	.1910024
Race						
1	1.326339	.1598983	2.34	0.022	1.043376	1.686041
2	1.040403	.1647307	0.25	0.803	.7591566	1.425843
3	.8829267	.1612153	-0.68	0.497	.6138816	1.269886
_cons	1.751668	.5188531	1.89	0.062	.9714033	3.158667
0	(base outcome)					
1						
1.fsAny	.9461682	.0824428	-0.64	0.527	.7955119	1.125356
ageNew						
2	1.325099	.1126584	3.31	0.001	1.118805	1.56943
3	1.657325	.1739958	4.81	0.000	1.344787	2.042499
4	1.820703	.1739794	6.27	0.000	1.505346	2.202125
edu						
1	1.631897	.1661057	4.81	0.000	1.332613	1.998396
2	1.828798	.1991793	5.54	0.000	1.472371	2.271509
BMIcat						
2	1.111908	.9014592	0.13	0.896	.2214312	5.583404
3	16.60429	13.07262	3.57	0.001	3.464515	79.57898
4	94.50679	75.5717	5.69	0.000	19.24059	464.2028
5	316.7666	257.1875	7.09	0.000	62.93416	1594.381
6	1101.771	958.6249	8.05	0.000	194.9668	6226.179
Race						
1	.4202235	.0379392	-9.60	0.000	.3511039	.5029502
2	.8264992	.0685622	-2.30	0.024	.700701	.9748823
3	1.073261	.1326551	0.57	0.569	.8391902	1.37262
_cons	.0259453	.0206039	-4.60	0.000	.0053405	.1260483

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

```

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

```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,277
Number of PSUs	=	154	Population size	=	188,948,684
			Subpop. no. obs	=	11,272
			Subpop. size	=	94,829,883.7
			Design df	=	79
			F(28, 52)	=	71.37
			Prob > F	=	0.0000

ConsiderWt	Linearized		t	P> t	[95% Conf. Interval]	
	RRR	Std. Err.				
-1						
1.fsAny	1.76111	.274192	3.64	0.000	1.291812	2.400898
ageNew						
2	.9519514	.1855022	-0.25	0.801	.6458998	1.403022
3	1.045552	.2027583	0.23	0.819	.7107374	1.538091
4	1.601117	.2877677	2.62	0.011	1.119587	2.289753
edu						
1	.9539724	.2009519	-0.22	0.824	.6272539	1.450869
2	.5279054	.0988175	-3.41	0.001	.3636998	.7662476
BMIcat						
2	.0587757	.0116925	-14.25	0.000	.0395577	.0873302
3	.026798	.008399	-11.55	0.000	.0143605	.0500074
4	.0665599	.0236794	-7.62	0.000	.0327852	.1351286
5	.0675979	.043623	-4.17	0.000	.0187104	.2442211
6	.3264084	.2013682	-1.81	0.073	.0956025	1.114431
Race						
1	2.02311	.383324	3.72	0.000	1.387495	2.949901
2	1.453906	.3013466	1.81	0.075	.9624239	2.196375
3	1.327219	.3251532	1.16	0.251	.8150127	2.161328
_cons	.9987659	.2491381	-0.00	0.996	.6079001	1.640949
0	(base outcome)					
1						
1.fsAny	.9246392	.0740201	-0.98	0.331	.7884447	1.08436
ageNew						
2	1.492909	.1472986	4.06	0.000	1.226713	1.81687
3	1.994499	.1883814	7.31	0.000	1.652673	2.407026
4	1.910043	.1803344	6.85	0.000	1.582807	2.304933
edu						
1	1.828219	.1981803	5.57	0.000	1.473405	2.268476
2	2.150521	.2366811	6.96	0.000	1.727449	2.677207
BMIcat						
2	10.75989	8.389962	3.05	0.003	2.279104	50.79853
3	106.5642	81.91335	6.07	0.000	23.07468	492.138
4	407.7881	314.4227	7.80	0.000	87.88443	1892.157
5	1432.428	1143.4	9.10	0.000	292.4514	7016.039
6	2918.026	2376.956	9.79	0.000	576.6805	14765.32
Race						
1	.4106438	.0369208	-9.90	0.000	.3433553	.491119

2	.8048538	.0705517	-2.48	0.015	.6759926	.9582793
3	.9753916	.1129107	-0.22	0.830	.7746612	1.228135
_cons	.0120381	.0092367	-5.76	0.000	.0026139	.0554412

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

```
143 . svy, subpop(if Male == 1): mlogit ConsiderWt i.fsAny i.ageNew i.edu i.BMIcat
> i.Race i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,301
Number of PSUs	=	154	Population size	=	188,664,028
			Subpop. no. obs	=	10,542
			Subpop. size	=	91,156,508.6
			Design df	=	79
			F(30, 50)	=	53.07
			Prob > F	=	0.0000

> _____		Linearized					
ConsiderWt		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
> -1	1.fsAny	1.590669	.1762854	4.19	0.000	1.275787	1.9
> 83267							
	ageNew						
	2	.9919708	.161895	-0.05	0.961	.7168319	1.3
> 72715							
	3	.8428957	.1524853	-0.94	0.348	.5880182	1.
> 20825							
	4	.9340177	.1314503	-0.49	0.629	.7058244	1.2
> 35986							
	edu						
	1	1.48307	.2114973	2.76	0.007	1.116569	1.9
> 69871							
	2	1.029788	.1520263	0.20	0.843	.7675936	1.3
> 81542							
	BMIcat						
	2	.0927515	.0249109	-8.85	0.000	.0543441	.15
> 83032							
	3	.0110563	.0032819	-15.18	0.000	.0061236	.01
> 99622							
	4	.0118645	.006106	-8.62	0.000	.0042596	.03
> 30468							
	5	.0234486	.0188075	-4.68	0.000	.0047509	.1
> 15734							
	6	.0265301	.0256652	-3.75	0.000	.003868	.18
> 19691							
	Race						
	1	1.356001	.1637291	2.52	0.014	1.066311	1.7
> 24393							
	2	1.079627	.1741123	0.48	0.636	.7831853	1.4
> 88274							
	3	.8956613	.1673355	-0.59	0.557	.6175059	1.2
> 99112							
1.depressionBinary		2.450393	.4548146	4.83	0.000	1.69351	3.5

> 45551							
> 28744	_cons	1.723209	.5163639	1.82	0.073	.9490866	3.1
> _____							
0		(base outcome)					
> _____							
1							
> 97726	1.fsAny	.9237059	.0800992	-0.92	0.363	.7772731	1.0
	ageNew						
	2	1.321576	.1126621	3.27	0.002	1.115321	1.5
> 65973							
> 35192	3	1.652063	.1731082	4.79	0.000	1.341059	2.0
> 86075	4	1.805138	.1736445	6.14	0.000	1.490582	2.1
	edu						
> 04516	1	1.637552	.1663509	4.86	0.000	1.337768	2.0
> 95068	2	1.848661	.2008927	5.65	0.000	1.489083	2.2
	BMIcat						
> 39221	2	1.102727	.8942079	0.12	0.904	.2195268	5.5
> 20906	3	16.52592	13.01151	3.56	0.001	3.447913	79.
> .7141	4	93.82685	75.01276	5.68	0.000	19.10833	460
> 88.37	5	315.7798	256.282	7.09	0.000	62.77938	15
> 3.946	6	1090.781	949.94	8.03	0.000	192.7136	617
	Race						
> 41411	1	.4207073	.0382395	-9.53	0.000	.3510816	.50
> 40588	2	.8334259	.0695652	-2.18	0.032	.7058509	.98
> 73021	3	1.071611	.1334368	0.56	0.580	.8363677	1.3
1.depressionBinary		1.387303	.2028071	2.24	0.028	1.037051	1.8
> 55848							
> 48876	_cons	.0257054	.0204139	-4.61	0.000	.0052909	.12

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

```
144 . svy, subpop(if Male == 0): mlogit ConsiderWt i.fsAny i.ageNew i.edu i.BMIcat
> i.Race i.depressionBinary, rrr baseoutcome(0)
(running mlogit on estimation sample)
```

Survey: Multinomial logistic regression

Number of strata	=	75	Number of obs	=	22,277
Number of PSUs	=	154	Population size	=	188,948,684
			Subpop. no. obs	=	11,272
			Subpop. size	=	94,829,883.7
			Design df	=	79
			F(30, 50)	=	66.89
			Prob > F	=	0.0000

> _____		Linearized					
ConsiderWt		RRR	Std. Err.	t	P> t	[95% Conf. Inte	
> rval]							
> _____							
-1							
> 76291	1.fsAny	1.664088	.2619051	3.24	0.002	1.216536	2.2
	ageNew						
> 09432	2	.9558627	.1864845	-0.23	0.818	.6482565	1.4
> 90685	3	1.014584	.1961206	0.07	0.940	.6905419	1.4
> 77238	4	1.587674	.2877054	2.55	0.013	1.106915	2.2
	edu						
> 16689	1	1.001696	.2087662	0.01	0.994	.6615696	1.5
> 71109	2	.5610379	.1059773	-3.06	0.003	.3852152	.81
	BMIcat						
> 62762	2	.0581074	.0115389	-14.33	0.000	.0391356	.08
> 01421	3	.026775	.0084395	-11.49	0.000	.0142973	.05
> 41672	4	.0658869	.0235401	-7.61	0.000	.0323558	.13
> 29973	5	.0672337	.0434007	-4.18	0.000	.0186026	.24
> 09899	6	.3178729	.1981058	-1.84	0.070	.0919419	1.
	Race						
> 81286	1	1.988374	.3705327	3.69	0.000	1.372176	2.8
> 37028	2	1.478961	.3074715	1.88	0.063	.9777816	2.2
> 03113	3	1.348211	.3326367	1.21	0.230	.8250471	2.2
1.depressionBinary		1.987663	.4211706	3.24	0.002	1.30369	3.0
> 30479	_cons	.9207118	.2356539	-0.32	0.748	.5531871	1.5
> 32411							
> _____							
0		(base outcome)					
> _____							
1							
> 40796	1.fsAny	.8879854	.0708378	-1.49	0.140	.757611	1.0
	ageNew						

> 11788	2	1.488493	.1469838	4.03	0.000	1.222886	1.8
> 78761	3	1.971509	.1859936	7.20	0.000	1.63398	2.3
> 28679	4	1.897209	.1780164	6.82	0.000	1.573998	2.
> 16848	edu 1	1.864263	.2035631	5.70	0.000	1.500088	2.3
> 76148	2	2.217768	.2443065	7.23	0.000	1.781108	2.
> .1851	BMIcat 2	10.74824	8.321122	3.07	0.003	2.30197	50
> .0548	3	106.4806	81.22571	6.12	0.000	23.32683	486
> 0.023	4	405.0486	310.1964	7.84	0.000	88.20557	186
> 1.342	5	1425.358	1129.497	9.16	0.000	294.384	690
> 68.92	6	2870.803	2322.77	9.84	0.000	573.565	143
> 88592	Race 1	.409388	.0364892	-10.02	0.000	.342836	.48
> 77287	2	.8142336	.0706483	-2.37	0.020	.6850849	.96
> 37667	3	.9825379	.1139508	-0.15	0.880	.7800005	1.2
1.depressionBinary		1.561486	.1881271	3.70	0.000	1.228543	1.9
> 84657	_cons	.011537	.0087672	-5.87	0.000	.002542	.
> 05236							

> _____

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

145 .

146 .

end of do-file

147 . log close

name: <unnamed>

log: C:\Users\sarah.vanalsten\Downloads\newlog.smcl

log type: smcl

closed on: 4 Mar 2020, 13:31:07