ation			
WORK.ATS5K			
eventb			
Binomial			
Logit			
Default			
d By pat_id			
Maximum Likelihood			
Laplace			
Containment			

Class Level Information									
Class	Levels	Values							
pat_id	5000	not printed							
region	4 1234								
Trt_Step	6	123450							
gender	gender 3 120								
Insurance	6	234561							

Number of Observations Read	128560
Number of Observations Used	128560

Dimensions	
G-side Cov. Parameters	2
Columns in X	31
Columns in Z per Subject	2
Subjects (Blocks in V)	5000
Max Obs per Subject	259

Optimization Information								
Optimization Technique	Dual Quasi-Newton							
Parameters in Optimization	28							
Lower Boundaries	2							
Upper Boundaries	0							
Fixed Effects	Not Profiled							
Starting From	GLM estimates							

Iteration History										
Iteration	Restarts	Evaluations	Objective Function	Change	Max Gradient					
0	0	4	75453.057239		52882.67					
1	0	10	75381.859044	71.19819532	15673.73					
2	0	2	75374.34443	7.51461399	5047.155					
3	0	2	75371.937682	2.40674789	2861.02					
4	0	2	75370.754588	1.18309373	2779.355					
5	0	4	75369.333169	1.42141860	5034.148					
6	0	4	75349.224735	20.10843441	11679.44					
7	0	3	75341.317818	7.90691734	3972.87					
8	0	3	75337.187113	4.13070417	1845.939					
9	0	3	75336.561757	0.62535646	444.0264					
10	0	3	75336.510231	0.05152553	389.1087					
11	0	6	75331.143167	5.36706462	4408.786					
12	0	2	75329.014684	2.12848303	4716.171					
13	0	2	2 75326.454791 2.55989327		357.5076					
14	0	4	4 75315.303071 11.15171908		14275.81					
15	0	2	75309.729806	5.57326501	10506.28					
16	0	2	75306.126175	3.60363194	6774.221					
17	0	2	75303.814136	2.31203875	6708.501					
18	0	2	75300.754627	3.05950901	1867.727					
19	0	2	75298.331405	2.42322134	1007.914					
20	0	3	75297.839007	0.49239793	1012.565					
21	0	4	75292.71052	5.12848783	5082.089					
22	0	3	75290.117674	2.59284523	858.3062					
23	0	2	75287.077064	3.04061011	989.5294					
24	0	4	75277.637466	9.43959799	2476.139					
25	0	3	75276.462208	1.17525848	504.0869					
26	0	3	75276.426771	0.03543696	203.9921					
27	0	4	75276.318361	0.10840977	1355.922					
28	0	4	75276.094656	0.22370492	890.7092					
29	0	4	75275.086657	1.00799895	3148.081					
30	0	4	75266.4278	8.65885685	4909.772					
31	0	3	75262.846162	3.58163869	321.2371					
32	0	3	75262.801246	0.04491552	127.3743					
33	0	2	75262.792673	0.00857288	154.9667					
34	0	6	75262.61694	0.17573349	1034.998					

	Iteration History										
Iteration	Restarts	Evaluations	Objective Function	Change	Max Gradient						
35	0	4	75262.119924	0.49701539	717.6077						
36	0	4	75257.706774	4.41315041	1322.726						
37	0	3	75257.55126	0.15551356	126.9538						
38	0	3	75257.547898	0.00336225	75.17278						
39	0	2	75257.544508	0.00339039	49.38875						
40	0	4	75257.535457	0.00905117	113.2835						
41	0	8	75253.817097	3.71835941	329.38						
42	0	3	75253.663464	0.15363349	42.95149						
43	0	3	75253.660428	0.00303559	45.63894						
44	0	4	75253.615109	0.04531920	200.5018						
45	0	3	75253.610021	0.00508808	49.77119						
46	0	4	75253.55085	0.05917094	551.3464						
47	0	3	75253.528934	0.02191595	183.5265						
48	0	4	75253.240174	0.28876045	58.78602						
49	0	2	75253.080645	0.15952800	222.31						
50	0	2	75252.826497	0.25414821	154.6809						
51	0	2	75252.530996	0.29550165	112.5444						
52	0	4	75251.669267	0.86172872	111.1575						
53	0	3	75251.558863	0.11040412	42.26432						
54	0	3	75251.557467	0.00139547	41.70858						
55	0	6	75251.511328	0.04613942	261.1587						

Convergence criterion (GCONV=1E-8) satisfied.

Fit Statistics									
-2 Log Likelihood	75251.51								
AIC (smaller is better)	75307.51								
AICC (smaller is better)	75307.52								
BIC (smaller is better)	75489.99								
CAIC (smaller is better)	75517.99								
HQIC (smaller is better)	75371.47								

The SAS System

Fit Statistics for Conditional Distribution							
-2 log L(eventb r. effects) 67958.35							
Pearson Chi-Square	105135.5						
Pearson Chi-Square / DF	0.82						

Covariance Parameter Estimates									
Cov Parm Subject Estimate Erro									
Intercept	pat_id	0.5918	0.02809						
year	pat_id	0.05176	0.005590						

Solutions for Fixed Effects												
Effect	region	Trt_Step	gender	Insurance	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept					-2.2304	1.3629	4988	-1.64	0.1018	0.05	-4.9022	0.4414
year					-0.5140	0.04121	4999	-12.47	<.0001	0.05	-0.5948	-0.4332
year*year					0.1413	0.01881	119E3	7.51	<.0001	0.05	0.1044	0.1781
year*year*year					-0.01684	0.002228	119E3	-7.56	<.0001	0.05	-0.02121	-0.01247
Trt_Step		1			-0.4929	0.04302	119E3	-11.46	<.0001	0.05	-0.5772	-0.4086
Trt_Step		2			-1.1679	0.06445	119E3	-18.12	<.0001	0.05	-1.2942	-1.0415
Trt_Step		3			-0.8989	0.06174	119E3	-14.56	<.0001	0.05	-1.0199	-0.7779
Trt_Step		4			-0.9165	0.06268	119E3	-14.62	<.0001	0.05	-1.0393	-0.7936
Trt_Step		5			0.7341	0.09208	119E3	7.97	<.0001	0.05	0.5536	0.9145
Trt_Step		0			0							
year*Trt_Step		1			-0.1539	0.02246	119E3	-6.85	<.0001	0.05	-0.1979	-0.1099
year*Trt_Step		2			-0.1921	0.03741	119E3	-5.14	<.0001	0.05	-0.2654	-0.1188
year*Trt_Step		3			-0.07189	0.03072	119E3	-2.34	0.0193	0.05	-0.1321	-0.01169
year*Trt_Step		4			-0.02284	0.02844	119E3	-0.80	0.4219	0.05	-0.07857	0.03289
year*Trt_Step		5			-0.03917	0.03917	119E3	-1.00	0.3173	0.05	-0.1159	0.03760
year*Trt_Step		0			0							
age					0.002067	0.000983	119E3	2.10	0.0354	0.05	0.000142	0.003993
gender			1		0.6953	1.3624	119E3	0.51	0.6098	0.05	-1.9750	3.3656
gender			2		0.9008	1.3621	119E3	0.66	0.5084	0.05	-1.7690	3.5705
gender			0		0							
region	1				-0.2161	0.04611	119E3	-4.69	<.0001	0.05	-0.3064	-0.1257
region	2				-0.1816	0.04370	119E3	-4.16	<.0001	0.05	-0.2673	-0.09594
region	3				-0.2680	0.06057	119E3	-4.42	<.0001	0.05	-0.3867	-0.1493
region	4				0							

	Solutions for Fixed Effects											
Effect	region	Trt_Step	gender	Insurance	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
CCI					0.06196	0.02834	119E3	2.19	0.0288	0.05	0.006424	0.1175
Insurance				2	-0.2177	0.2647	119E3	-0.82	0.4108	0.05	-0.7364	0.3011
Insurance				3	0.09603	0.08399	119E3	1.14	0.2529	0.05	-0.06859	0.2606
Insurance				4	-0.2692	0.2281	119E3	-1.18	0.2380	0.05	-0.7162	0.1779
Insurance				5	0.08668	0.05243	119E3	1.65	0.0983	0.05	-0.01608	0.1894
Insurance				6	0.08085	0.2539	119E3	0.32	0.7501	0.05	-0.4168	0.5785
Insurance				1	0							

	Odds Ratio Estimates												
region	Trt_Step	gender	Insurance	year	age	CCI	_region	_Trt_Step	_gender	_Insurance	_year	_age	_cci
				1.851	32.521	0.3258					1.851	31.521	0.3258
				1.851	31.521	1.3258					1.851	31.521	0.3258
	1			1.851	31.521	0.3258		0			1.851	31.521	0.3258
	2			1.851	31.521	0.3258		0			1.851	31.521	0.3258
	3			1.851	31.521	0.3258		0			1.851	31.521	0.3258
	4			1.851	31.521	0.3258		0			1.851	31.521	0.3258
	5			1.851	31.521	0.3258		0			1.851	31.521	0.3258
	1			2.851	31.521	0.3258		1			1.851	31.521	0.3258
	2			2.851	31.521	0.3258		2			1.851	31.521	0.3258
	3			2.851	31.521	0.3258		3			1.851	31.521	0.3258
	4			2.851	31.521	0.3258		4			1.851	31.521	0.3258
	5			2.851	31.521	0.3258		5			1.851	31.521	0.3258
	0			2.851	31.521	0.3258		0			1.851	31.521	0.3258
		1		1.851	31.521	0.3258			0		1.851	31.521	0.3258
		2		1.851	31.521	0.3258			0		1.851	31.521	0.3258
1				1.851	31.521	0.3258	4				1.851	31.521	0.3258
2				1.851	31.521	0.3258	4				1.851	31.521	0.3258
3				1.851	31.521	0.3258	4				1.851	31.521	0.3258
			2	1.851	31.521	0.3258				1	1.851	31.521	0.3258
			3	1.851	31.521	0.3258				1	1.851	31.521	0.3258
			4	1.851	31.521	0.3258				1	1.851	31.521	0.3258
			5	1.851	31.521	0.3258				1	1.851	31.521	0.3258
			6	1.851	31.521	0.3258				1	1.851	31.521	0.3258

Effects of continuous variables are assessed as one unit offsets from the mean. The AT suboption modifies the reference value and the UNIT suboption modifies the offsets.

	Odds Ratio Estimates												
region	Trt_Step	gender	Insurance	year	age	CCI	_region	_Trt_Step	_gender	_Insurance	_year	_age	Estimate
				1.851	32.521	0.3258					1.851	31.521	1.002
				1.851	31.521	1.3258					1.851	31.521	1.064
	1			1.851	31.521	0.3258		0			1.851	31.521	0.459
	2			1.851	31.521	0.3258		0			1.851	31.521	0.218
	3			1.851	31.521	0.3258		0			1.851	31.521	0.356
	4			1.851	31.521	0.3258		0			1.851	31.521	0.383
	5			1.851	31.521	0.3258		0			1.851	31.521	1.938
	1			2.851	31.521	0.3258		1			1.851	31.521	0.750
	2			2.851	31.521	0.3258		2			1.851	31.521	0.722
	3			2.851	31.521	0.3258		3			1.851	31.521	0.815
	4			2.851	31.521	0.3258		4			1.851	31.521	0.855
	5			2.851	31.521	0.3258		5			1.851	31.521	0.842
	0			2.851	31.521	0.3258		0			1.851	31.521	0.875
		1		1.851	31.521	0.3258			0		1.851	31.521	2.004
		2		1.851	31.521	0.3258			0		1.851	31.521	2.461
1				1.851	31.521	0.3258	4				1.851	31.521	0.806
2				1.851	31.521	0.3258	4				1.851	31.521	0.834
3				1.851	31.521	0.3258	4				1.851	31.521	0.765
			2	1.851	31.521	0.3258				1	1.851	31.521	0.804
			3	1.851	31.521	0.3258				1	1.851	31.521	1.101
			4	1.851	31.521	0.3258				1	1.851	31.521	0.764
			5	1.851	31.521	0.3258				1	1.851	31.521	1.091
			6	1.851	31.521	0.3258				1	1.851	31.521	1.084

Effects of continuous variables are assessed as one unit offsets from the mean. The AT suboption modifies the reference value and the UNIT suboption modifies the offsets.

	Odds Ratio Estimates												
region	Trt_Step	gender	Insurance	year	age	CCI	_region	_Trt_Step	_gender	_Insurance	_year	_age	DF
				1.851	32.521	0.3258					1.851	31.521	119E3
				1.851	31.521	1.3258					1.851	31.521	119E3
	1			1.851	31.521	0.3258		0			1.851	31.521	119E3
	2			1.851	31.521	0.3258		0			1.851	31.521	119E3
	3			1.851	31.521	0.3258		0			1.851	31.521	119E3
	4			1.851	31.521	0.3258		0			1.851	31.521	119E3
	5			1.851	31.521	0.3258		0			1.851	31.521	119E3
	1			2.851	31.521	0.3258		1			1.851	31.521	119E3
	2			2.851	31.521	0.3258		2			1.851	31.521	119E3
	3			2.851	31.521	0.3258		3			1.851	31.521	119E3
	4			2.851	31.521	0.3258		4			1.851	31.521	119E3
	5			2.851	31.521	0.3258		5			1.851	31.521	119E3
	0			2.851	31.521	0.3258		0			1.851	31.521	119E3
		1		1.851	31.521	0.3258			0		1.851	31.521	119E3
		2		1.851	31.521	0.3258			0		1.851	31.521	119E3
1				1.851	31.521	0.3258	4				1.851	31.521	119E3
2				1.851	31.521	0.3258	4				1.851	31.521	119E3
3				1.851	31.521	0.3258	4				1.851	31.521	119E3
			2	1.851	31.521	0.3258				1	1.851	31.521	119E3
			3	1.851	31.521	0.3258				1	1.851	31.521	119E3
			4	1.851	31.521	0.3258				1	1.851	31.521	119E3
			5	1.851	31.521	0.3258				1	1.851	31.521	119E3
			6	1.851	31.521	0.3258				1	1.851	31.521	119E3

Effects of continuous variables are assessed as one unit offsets from the mean. The AT suboption modifies the reference value and the UNIT suboption modifies the offsets.

	Odds Ratio Estimates													
region	Trt_Step	gender	Insurance	year	age	CCI	_region	_Trt_Step	_gender	_Insurance	_year	_age	Confi	5% dence nits
				1.851	32.521	0.3258					1.851	31.521	1.000	1.004
				1.851	31.521	1.3258					1.851	31.521	1.006	1.125
	1			1.851	31.521	0.3258		0			1.851	31.521	0.431	0.489
	2			1.851	31.521	0.3258		0			1.851	31.521	0.197	0.241
	3			1.851	31.521	0.3258		0			1.851	31.521	0.327	0.388
	4			1.851	31.521	0.3258		0			1.851	31.521	0.353	0.417
	5			1.851	31.521	0.3258		0			1.851	31.521	1.715	2.189
	1			2.851	31.521	0.3258		1			1.851	31.521	0.713	0.790
	2			2.851	31.521	0.3258		2			1.851	31.521	0.668	0.781
	3			2.851	31.521	0.3258		3			1.851	31.521	0.763	0.870
	4			2.851	31.521	0.3258		4			1.851	31.521	0.804	0.910
	5			2.851	31.521	0.3258		5			1.851	31.521	0.776	0.913
	0			2.851	31.521	0.3258		0			1.851	31.521	0.845	0.907
		1		1.851	31.521	0.3258			0		1.851	31.521	0.139	28.951
		2		1.851	31.521	0.3258			0		1.851	31.521	0.171	35.536
1				1.851	31.521	0.3258	4				1.851	31.521	0.736	0.882
2				1.851	31.521	0.3258	4				1.851	31.521	0.765	0.909
3				1.851	31.521	0.3258	4				1.851	31.521	0.679	0.861
			2	1.851	31.521	0.3258				1	1.851	31.521	0.479	1.351
			3	1.851	31.521	0.3258				1	1.851	31.521	0.934	1.298
			4	1.851	31.521	0.3258				1	1.851	31.521	0.489	1.195
			5	1.851	31.521	0.3258				1	1.851	31.521	0.984	1.209
			6	1.851	31.521	0.3258				1	1.851	31.521	0.659	1.783

Effects of continuous variables are assessed as one unit offsets from the mean. The AT suboption modifies the reference value and the UNIT suboption modifies the offsets.

Type III Tests of Fixed Effects										
Effect	Num DF	Den DF	F Value	Pr > F						
year	1	4999	198.53	<.0001						
year*year	1	119E3	56.40	<.0001						
year*year*year	1	119E3	57.10	<.0001						
Trt_Step	5	119E3	162.06	<.0001						
year*Trt_Step	5	119E3	13.96	<.0001						
age	1	119E3	4.43	0.0354						
gender	2	119E3	16.81	<.0001						

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Type III Tests of Fixed Effects										
Effect	Num DF	Den DF	F Value	Pr > F						
region	3	119E3	10.69	<.0001						
CCI	1	119E3	4.78	0.0288						
Insurance	5	119E3	1.24	0.2857						