

The FREQ Procedure

High linguistically isolated strata ('Census tracts in which 30% of the households have no adults over the age of 14 that report speaking English very well')

HIGHSPANLI	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	495	9.10	495	9.10
No	4943	90.90	5438	100.00

The SURVEYLOGISTIC Procedure

Model Information

Data Set	WORK.HINTS5_CYCLE3
Response Variable	SeekCancerInfo
Number of Response Levels	2
Weight Variable	nwgt0
Model	Binary Logit
Optimization Technique	Fisher's Scoring

Model Information

A8. Have you ever looked for information about cancer from any source?

FINAL PERSON-LEVEL FULL SAMPLE WEIGHT ALL TREATMENTS COMBINED, CONTROLLING FOR GROUP DIFFERENCES

Number of Observations Read	5438
Number of Observations Used	5354
Sum of Weights Read	7.5621E8
Sum of Weights Used	7.4593E8

Response Profile

Ordered Value	SeekCancerInfo	Total Frequency	Total Weight
1	No	2322	348189124
2	Yes	3032	397738160

Probability modeled is SeekCancerInfo='No'.

NOTE: 84 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information

Class	Value	Design Variables	
Treatment_H5C3	Paper-Only	1	0
	Web Bonus	0	1
	Web Option	-1	-1

The SURVEYLOGISTIC Procedure

Variance Estimation

Method	Jackknife
Replicate Weights	HINTS5_CYCLE3
Number of Replicates	150

Model Convergence Status

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

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	1.03078E9	1.02994E9
SC	1.03078E9	1.02994E9
-2 Log L	1.03078E9	1.02994E9

Testing Global Null Hypothesis: BETA=0

Test	F Value	Num DF	Den DF	Pr > F
Likelihood Ratio	3.32	1.9869	292.07	0.0379
Score	1.11	2	147	0.3320
Wald	1.11	2	147	0.3324

NOTE: Second-order Rao-Scott design correction
0.0066 applied to the Likelihood Ratio test.

Type 3 Analysis of Effects

Effect	F Value	Num DF	Den DF	Pr > F
Treatment_H5C3	1.11	2	147	0.3324

The SURVEYLOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	-0.1328	0.0509	-2.61	0.0101
Treatment_H5C3 Paper-Only	-0.0804	0.0608	-1.32	0.1882
Treatment_H5C3 Web Bonus	0.0847	0.0758	1.12	0.2658

NOTE: The degrees of freedom for the t tests is 147.

Odds Ratio Estimates

Effect	Point Estimate	95% Confidence Limits	
Treatment_H5C3 Paper-Only vs Web Option	0.927	0.734	1.170
Treatment_H5C3 Web Bonus vs Web Option	1.093	0.826	1.446

NOTE: The degrees of freedom in computing the confidence limits is 147.

Association of Predicted Probabilities and Observed Responses

Percent Concordant	28.2	Somers' D	0.020
Percent Discordant	26.2	Gamma	0.038
Percent Tied	45.5	Tau-a	0.010
Pairs	7040304	c	0.510

The SURVEYREG Procedure

Regression Analysis for Dependent Variable GeneralHealth

Data Summary

Number of Observations	5337
Sum of Weights	743000819
Weighted Mean of GeneralHealth	2.54730
Weighted Sum of GeneralHealth	1892644239

Fit Statistics

R-Square	0.000162
Root MSE	0.9589
Denominator DF	147

Variance Estimation

Method	Jackknife
Replicate Weights	HINTS5_CYCLE3
Number of Replicates	150

Class Level Information

CLASS Variable	Label	Levels
Treatment_H5C3	Hints 5 Cycle 3/Web Pilot Treatment Cohort Group	3

Class Level Information

CLASS Variable	Values
Treatment_H5C3	Paper-Only Web Bonus Web Option

Tests of Model Effects

Effect	Num DF	F Value	Pr > F
Model	2	0.10	0.9006
Intercept	1	10475.3	<.0001
Treatment_H5C3	2	0.10	0.9006

NOTE: The denominator degrees of freedom for the F tests is 147.

The SURVEYREG Procedure

Regression Analysis for Dependent Variable GeneralHealth

Estimated Regression Coefficients

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	2.5512465	0.03802487	67.09	<.0001
Treatment_H5C3 Paper-Only	0.0086002	0.04730372	0.18	0.8560
Treatment_H5C3 Web Bonus	-0.0205093	0.06915932	-0.30	0.7672
Treatment_H5C3 Web Option	0.0000000	0.00000000	.	.

NOTE: The degrees of freedom for the t tests is 147.

Matrix X'WX is singular and a generalized inverse was used to solve the normal equations.
Estimates are not unique.

The SURVEYFREQ Procedure

Data Summary

Number of Observations	5438
Sum of Weights	252070495

Variance Estimation

Method	Jackknife
Replicate Weights	HINTS5_CYCLE3
Number of Replicates	50

Table of edu by gender

edu	gender	Frequency	Weighted Frequency	Std Err of Wgt Freq
Less than high school	Male	119	7879154	1166491
	Female	209	9110566	884021
	Total	328	16989720	1491040

12 years or completed high school	Male	381	28884258	1432880
	Female	552	27707952	1053908
	Total	933	56592210	1790126

Some college	Male	673	48033857	1462662
	Female	901	49983566	1194600
	Total	1574	98017423	1742840

College graduate or higher	Male	1030	33921235	242193
	Female	1369	38107150	256546
	Total	2399	72028386	343868

Total	Male	2203	118718503	724943
	Female	3031	124909235	825339
	Total	5234	243627738	946691

Frequency Missing = 204

The SURVEYFREQ Procedure

Table of edu by gender

edu	gender	Percent	Std Err of Percent
Less than high school	Male	3.2341	0.4776
	Female	3.7395	0.3633
	Total	6.9736	0.6102

12 years or completed high school	Male	11.8559	0.5994
	Female	11.3731	0.4348
	Total	23.2290	0.7549

Some college	Male	19.7161	0.5783
	Female	20.5164	0.4636
	Total	40.2325	0.6394

College graduate or higher	Male	13.9234	0.1046
	Female	15.6415	0.1058
	Total	29.5649	0.1496

Total	Male	48.7295	0.2519
	Female	51.2705	0.2519
	Total	100.0000	

Frequency Missing = 204

Table of edu by gender

edu	gender	95% Confidence Limits for Percent		Row Percent	Std Err of Row Percent
Less than high school	Male	2.2744	4.1938	46.3760	4.3306
	Female	3.0095	4.4696	53.6240	4.3306
	Total	5.7473	8.2000	100.0000	

12 years or completed high school	Male	10.6514	13.0604	51.0393	1.5532
	Female	10.4992	12.2469	48.9607	1.5532
	Total	21.7119	24.7460	100.0000	

Some college	Male	18.5539	20.8783	49.0054	1.0365

Frequency Missing = 204

The SURVEYFREQ Procedure

Table of edu by gender

edu	gender	95% Confidence Limits for Percent		Row Percent	Std Err of Row Percent
Some college	Female	19.5846	21.4481	50.9946	1.0365
	Total	38.9475	41.5174	100.0000	
College graduate or higher	Male	13.7131	14.1337	47.0943	0.2503
	Female	15.4290	15.8541	52.9057	0.2503
	Total	29.2642	29.8656	100.0000	
Total	Male	48.2232	49.2357		
	Female	50.7643	51.7768		
	Total				

Frequency Missing = 204

Table of edu by gender

edu	gender	95% Confidence Limits for Row Percent		Column Percent	Std Err of Col Percent
Less than high school	Male	37.6734	55.0786	6.6368	0.9827
	Female	44.9214	62.3266	7.2937	0.7105
	Total				
12 years or completed high school	Male	47.9180	54.1606	24.3300	1.2075
	Female	45.8394	52.0820	22.1825	0.8422
	Total				
Some college	Male	46.9225	51.0884	40.4603	1.1621
	Female	48.9116	53.0775	40.0159	0.8544
	Total				
College graduate or higher	Male	46.5914	47.5972	28.5728	0.2293
	Female	52.4028	53.4086	30.5079	0.1953
	Total				
Total	Male			100.0000	
	Female			100.0000	

Frequency Missing = 204

The SURVEYFREQ Procedure

Table of edu by gender

edu	gender	95% Confidence Limits for Row Percent	Column Percent	Std Err of Col Percent
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Total	Total			
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Frequency Missing = 204

Table of edu by gender

edu	gender	95% Confidence Limits for Col Percent	
Less than high school	Male	4.6620	8.6117
	Female	5.8659	8.7216
	Total		

12 years or completed high school	Male	21.9034	26.7566
	Female	20.4900	23.8750
	Total		

Some college	Male	38.1250	42.7956
	Female	38.2990	41.7329
	Total		

College graduate or higher	Male	28.1121	29.0335
	Female	30.1155	30.9003
	Total		

Total	Male		
	Female		
	Total		

Frequency Missing = 204

The SURVEYFREQ Procedure

Table of edu by gender

Wald Chi-Square Test

Chi-Square	41.4204
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F Value	13.8068
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Num DF	3
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Den DF	49
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Pr > F	<.0001
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Adj F Value	13.2433
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Num DF	3
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Den DF	47
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Pr > Adj F	<.0001
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Sample Size = 5234

The SURVEYLOGISTIC Procedure

Model Information

Data Set	WORK.HINTS5_CYCLE3
Response Variable	SeekCancerInfo
Number of Response Levels	2
Weight Variable	TG_all_FINWTO
Model	Binary Logit
Optimization Technique	Newton-Raphson

Model Information

A8. Have you ever looked for information about cancer from any source?

FINAL PERSON-LEVEL FULL SAMPLE WEIGHT ALL TREATMENTS COMBINED

Number of Observations Read	5438
Number of Observations Used	5155
Sum of Weights Read	2.5207E8
Sum of Weights Used	2.4084E8

Response Profile

Ordered Value	Seek Cancer Info	Total Frequency	Total Weight
1	Yes	2940	131322650
2	No	2215	109516350

Probability modeled is SeekCancerInfo='Yes'.

NOTE: 283 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information

Class	Value	Design Variables		
edu	12 years or completed high school	1	0	0
	College graduate or higher	0	1	0
	Less than high school	0	0	0
	Some college	0	0	1
gender	Female	1		

The SURVEYLOGISTIC Procedure

Class Level Information

Class	Value	Design Variables
Male		0

Variance Estimation

Method	Jackknife
Replicate Weights	HINTS5_CYCLE3
Number of Replicates	50

Model Convergence Status

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

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	331896633	317699360
SC	331896651	317699446
-2 Log L	331896631	317699350

Testing Global Null Hypothesis: BETA=0

Test	F Value	Num DF	Den DF	Pr > F
Likelihood Ratio	80.15	3.7026	181.43	<.0001
Score	27.10	4	49	<.0001
Wald	22.95	4	49	<.0001

NOTE: Second-order Rao-Scott design correction
 0.0803 applied to the Likelihood Ratio test.

Type 3 Analysis of Effects

Effect	F Value	Num DF	Den DF	Pr > F
gender	18.89	1	49	<.0001
edu	27.27	3	49	<.0001

The SURVEYLOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter		Estimate	Standard Error	t Value	Pr > t	95% Confidence Limits	
Intercept		-0.7935	0.2041	-3.89	0.0003	-1.2036	-0.3833
gender	Female	0.4290	0.0987	4.35	<.0001	0.2306	0.6273
edu	12 years or completed high school	0.1255	0.2086	0.60	0.5503	-0.2938	0.5447
edu	College graduate or higher	1.1864	0.2091	5.67	<.0001	0.7661	1.6066
edu	Some college	0.9413	0.2043	4.61	<.0001	0.5308	1.3519

NOTE: The degrees of freedom for the t tests is 49.

Analysis of Maximum Likelihood Estimates

Parameter	Exp(Est)
Intercept	0.452
gender Female	1.536
edu 12 years or completed high school	1.134
edu College graduate or higher	3.275
edu Some college	2.563

NOTE: The degrees of freedom for the t tests is 49.

Odds Ratio Estimates

Effect		Point Estimate	95% Confidence Limits	
gender	Female vs Male	1.536	1.259	1.873
edu	12 years or completed high school vs Less than high school	1.134	0.745	1.724
edu	College graduate or higher vs Less than high school	3.275	2.151	4.986
edu	Some college vs Less than high school	2.563	1.700	3.865

NOTE: The degrees of freedom in computing the confidence limits is 49.

Association of Predicted Probabilities and Observed Responses

Percent Concordant	55.5	Somers' D	0.270
Percent Discordant	28.6	Gamma	0.321
Percent Tied	15.9	Tau-a	0.132
Pairs	6512100	c	0.635

The SURVEYLOGISTIC Procedure

Parameter Estimates and t Confidence Intervals

		Estimate	95% Confidence Limits	
Intercept		-0.7935	-1.2036	-0.3833
gender	Female	0.4290	0.2306	0.6273
edu	12 years or completed high school	0.1255	-0.2938	0.5447
edu	College graduate or higher	1.1864	0.7661	1.6066
edu	Some college	0.9413	0.5308	1.3519

NOTE: The degrees of freedom in computing the confidence limits is 49.

Using replicate weights

The SURVEYREG Procedure

Regression Analysis for Dependent Variable GeneralHealth

Data Summary

Number of Observations	5165
Sum of Weights	241189901
Weighted Mean of GeneralHealth	2.54786
Weighted Sum of GeneralHealth	614517251

Fit Statistics

R-Square	0.05107
Root MSE	0.9271
Denominator DF	49

Variance Estimation

Method	Jackknife
Replicate Weights	HINTS5_CYCLE3
Number of Replicates	50

Class Level Information

CLASS		
Variable	Levels	Values
edu	4	12 years or completed high school College graduate or higher Some college Less than high school
gender	2	Female Male

Tests of Model Effects

Effect	Num DF	F Value	Pr > F
Model	4	31.82	<.0001
Intercept	1	6688.02	<.0001
edu	3	41.07	<.0001
gender	1	3.17	0.0812

NOTE: The denominator degrees of freedom for the F tests is 49.

Using replicate weights

The SURVEYREG Procedure

Regression Analysis for Dependent Variable GeneralHealth

Estimated Regression Coefficients

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	2.8413999	0.11428047	24.86	<.0001
edu 12 years or completed high school	-0.2104414	0.12700482	-1.66	0.1039
edu College graduate or higher	-0.6492976	0.11729768	-5.54	<.0001
edu Some college	-0.2336853	0.11338544	-2.06	0.0446
edu Less than high school	0.0000000	0.00000000	.	.
gender Female	0.0821506	0.04613621	1.78	0.0812
gender Male	0.0000000	0.00000000	.	.

NOTE: The degrees of freedom for the t tests is 49.

Matrix X'WX is singular and a generalized inverse was used to solve the normal equations.
Estimates are not unique.

The SURVEYFREQ Procedure

Data Summary

Number of Strata	6
Number of Clusters	300
Number of Observations	5438
Sum of Weights	252070495

Table of edu by gender

edu	gender	Frequency	Weighted Frequency	Std Err of Wgt Freq
Less than high school	Male	119	7879154	1132052
	Female	209	9110566	907520
	Total	328	16989720	1480230
12 years or completed high school	Male	381	28884258	2349788
	Female	552	27707952	1592739
	Total	933	56592210	3031935
Some college	Male	673	48033857	3064908
	Female	901	49983566	2955566
	Total	1574	98017423	4370348
College graduate or higher	Male	1030	33921235	1547899
	Female	1369	38107150	1453695
	Total	2399	72028386	2068519
Total	Male	2203	118718503	4309394
	Female	3031	124909235	3778118
	Total	5234	243627738	5743780

Frequency Missing = 204

Table of edu by gender

edu	gender	Percent	Std Err of Percent	Row Percent	Std Err of Row Percent
Less than high school	Male	3.2341	0.4579	46.3760	4.2618
	Female	3.7395	0.3697	53.6240	4.2618

Frequency Missing = 204

Using replicate weights

The SURVEYFREQ Procedure

Table of edu by gender

edu	gender	Percent	Std Err of Percent	Row Percent	Std Err of Row Percent
Less than high school	Total	6.9736	0.5931	100.0000	
12 years or completed high school	Male	11.8559	0.8646	51.0393	2.3046
	Female	11.3731	0.5919	48.9607	2.3046
	Total	23.2290	1.0165	100.0000	
Some college	Male	19.7161	1.0803	49.0054	2.1151
	Female	20.5164	1.0620	50.9946	2.1151
	Total	40.2325	1.3021	100.0000	
College graduate or higher	Male	13.9234	0.6641	47.0943	1.5188
	Female	15.6415	0.6500	52.9057	1.5188
	Total	29.5649	0.9622	100.0000	
Total	Male	48.7295	1.1779		
	Female	51.2705	1.1779		
	Total	100.0000			

Frequency Missing = 204

Table of edu by gender

edu	gender	Column Percent	Std Err of Col Percent
Less than high school	Male	6.6368	0.9574
	Female	7.2937	0.7033
	Total		
12 years or completed high school	Male	24.3300	1.5937
	Female	22.1825	1.1217
	Total		
Some college	Male	40.4603	1.9076
	Female	40.0159	1.5629
	Total		

Frequency Missing = 204

The SURVEYFREQ Procedure

Table of edu by gender

edu	gender	Column Percent	Std Err of Col Percent
Some college	Total		
College graduate or higher	Male	28.5728	1.2878
	Female	30.5079	1.2706
	Total		
Total	Male	100.0000	
	Female	100.0000	
	Total		

Frequency Missing = 204

Wald Chi-Square Test

Chi-Square	2.4138
F Value	0.8046
Num DF	3
Den DF	294
Pr > F	0.4921
Adj F Value	0.7991
Num DF	3
Den DF	292
Pr > Adj F	0.4952

Sample Size = 5234

The SURVEYLOGISTIC Procedure

Model Information

Data Set	WORK.HINTS5_CYCLE3
Response Variable	SeekCancerInfo
Number of Response Levels	2
Stratum Variable	VAR_STRATUM
Number of Strata	6
Cluster Variable	VAR_CLUSTER
Number of Clusters	300
Weight Variable	TG_all_FINWT0
Model	Binary Logit
Optimization Technique	Newton-Raphson
Variance Adjustment	Degrees of Freedom (DF)

Model Information

A8. Have you ever looked for information about cancer from any source?

Variance Stratum

Variance Cluster

FINAL PERSON-LEVEL FULL SAMPLE WEIGHT ALL TREATMENTS COMBINED

Variance Estimation

Method	Taylor Series
Variance Adjustment	Degrees of Freedom (DF)

Number of Observations Read	5438
Number of Observations Used	5155
Sum of Weights Read	2.5207E8
Sum of Weights Used	2.4084E8

Response Profile

Ordered Value	Seek Cancer Info	Total Frequency	Total Weight
1	Yes	2940	131322650
2	No	2215	109516350

The SURVEYLOGISTIC Procedure

Probability modeled is SeekCancerInfo='Yes'.

NOTE: 283 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information

Class	Value	Design Variables		
edu	12 years or completed high school	1	0	0
	College graduate or higher	0	1	0
	Less than high school	0	0	0
	Some college	0	0	1
gender	Female	1		
	Male	0		

Model Convergence Status

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

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	331896633	317699360
SC	331896651	317699446
-2 Log L	331896631	317699350

Testing Global Null Hypothesis: BETA=0

Test	F Value	Num DF	Den DF	Pr > F
Likelihood Ratio	75.82	3.9375	1157.64	<.0001
Score	26.87	4	291	<.0001
Wald	24.51	4	291	<.0001

NOTE: Second-order Rao-Scott design correction
 0.0159 applied to the Likelihood Ratio test.

The SURVEYLOGISTIC Procedure

Type 3 Analysis of Effects

Effect	F Value	Num DF	Den DF	Pr > F
gender	21.54	1	294	<.0001
edu	29.12	3	292	<.0001

Analysis of Maximum Likelihood Estimates

Parameter		Estimate	Standard Error	t Value	Pr > t	95% Confidence Limits	
Intercept		-0.7935	0.2203	-3.60	0.0004	-1.2270	-0.3599
gender	Female	0.4290	0.0924	4.64	<.0001	0.2471	0.6108
edu	12 years or completed high school	0.1255	0.2392	0.52	0.6003	-0.3453	0.5962
edu	College graduate or higher	1.1864	0.2255	5.26	<.0001	0.7427	1.6301
edu	Some college	0.9413	0.2254	4.18	<.0001	0.4977	1.3849

NOTE: The degrees of freedom for the t tests is 294.

Analysis of Maximum Likelihood Estimates

Parameter		Exp(Est)
Intercept		0.452
gender	Female	1.536
edu	12 years or completed high school	1.134
edu	College graduate or higher	3.275
edu	Some college	2.563

NOTE: The degrees of freedom for the t tests is 294.

Odds Ratio Estimates

Effect		Point Estimate	95% Confidence Limits	
gender	Female vs Male	1.536	1.280	1.842
edu	12 years or completed high school vs Less than high school	1.134	0.708	1.815
edu	College graduate or higher vs Less than high school	3.275	2.102	5.104
edu	Some college vs Less than high school	2.563	1.645	3.994

NOTE: The degrees of freedom in computing the confidence limits is 294.

The SURVEYLOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses

Percent Concordant	55.5	Somers' D	0.270
Percent Discordant	28.6	Gamma	0.321
Percent Tied	15.9	Tau-a	0.132
Pairs	6512100	c	0.635

Parameter Estimates and t Confidence Intervals

		Estimate	95% Confidence Limits	
Intercept		-0.7935	-1.2270	-0.3599
gender	Female	0.4290	0.2471	0.6108
edu	12 years or completed high school	0.1255	-0.3453	0.5962
edu	College graduate or higher	1.1864	0.7427	1.6301
edu	Some college	0.9413	0.4977	1.3849

NOTE: The degrees of freedom in computing the confidence limits is 294.

The SURVEYREG Procedure

Regression Analysis for Dependent Variable GeneralHealth

Data Summary

Number of Observations	5165
Sum of Weights	241189901
Weighted Mean of GeneralHealth	2.54786
Weighted Sum of GeneralHealth	614517251

Design Summary

Number of Strata	6
Number of Clusters	300

Fit Statistics

R-Square	0.05107
Root MSE	0.9271
Denominator DF	294

Class Level Information

CLASS Variable	Levels	Values
edu	4	12 years or completed high school College graduate or higher Some college Less than high school
gender	2	Female Male

Tests of Model Effects

Effect	Num DF	F Value	Pr > F
Model	4	35.58	<.0001
Intercept	1	6463.66	<.0001
edu	3	41.89	<.0001
gender	1	3.19	0.0752

NOTE: The denominator degrees of freedom for the F tests is 294.

The SURVEYREG Procedure

Regression Analysis for Dependent Variable GeneralHealth

Estimated Regression Coefficients

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	2.8413999	0.11840930	24.00	<.0001
edu 12 years or completed high school	-0.2104414	0.12823868	-1.64	0.1019
edu College graduate or higher	-0.6492976	0.11626607	-5.58	<.0001
edu Some college	-0.2336853	0.11678898	-2.00	0.0463
edu Less than high school	0.0000000	0.00000000	.	.
gender Female	0.0821506	0.04600196	1.79	0.0752
gender Male	0.0000000	0.00000000	.	.

NOTE: The degrees of freedom for the t tests is 294.

Matrix X'WX is singular and a generalized inverse was used to solve the normal equations.

Estimates are not unique.

The FREQ Procedure

A1. Have you ever looked for information about health or medical topics from any source?

	SeekHealthInfo	Frequency
Missing data		99
Yes		7091
No		1752

C4a. How often did they give you the chance to ask all the health-related questions you had?

	ChanceAskQuestions	Frequency
Missing data (Not Ascertained)		887
Missing data (Web partial - Question Never Seen)		3
Multiple responses selected in error		5
Question answered in error (Commission Error)		243
Inapplicable, coded 0 in both FreqGoProvider AND FreqGoUrgentCare		819
Always		4485
Usually		1933
Sometimes		488
Never		79

The SURVEYFREQ Procedure

Data Summary

Number of Observations	8942
Sum of Weights	501560267

Variance Estimation

Method	Jackknife
Replicate Weights	MERGEHINTS5C2_HINTS5C3
Number of Replicates	100

A1. Have you ever looked for information about health or medical topics from any source?

SeekHealthInfo	Frequency	Weighted Frequency	Std Err of Wgt Freq
Missing data	99	3778699	621632
Yes	7091	393144546	4291395
No	1752	104637022	4285899
Total	8942	501560267	0.0000159

A1. Have you ever looked for information about health or medical topics from any source?

SeekHealthInfo	Percent	Std Err of Percent
Missing data	0.7534	0.1239
Yes	78.3843	0.8556
No	20.8623	0.8545
Total	100.0000	

The SURVEYFREQ Procedure

C4a. How often did they give you the chance to ask all the health-related questions you had?

ChanceAskQuestions	Frequency
Missing data (Not Ascertained)	887
Missing data (Web partial - Question Never Seen)	3
Multiple responses selected in error	5
Question answered in error (Commission Error)	243
Inapplicable, coded 0 in both FreqGoProvider AND FreqGoUrgentCare	819
Always	4485
Usually	1933
Sometimes	488
Never	79
Total	8942

C4a. How often did they give you the chance to ask all the health-related questions you had?

ChanceAskQuestions	Weighted Frequency	Std Err of Wgt Freq
Missing data (Not Ascertained)	38650344	2080756
Missing data (Web partial - Question Never Seen)	334054	241184
Multiple responses selected in error	319156	181481
Question answered in error (Commission Error)	14195668	1394997
Inapplicable, coded 0 in both FreqGoProvider AND FreqGoUrgentCare	67188502	3807890
Always	239244338	4445821
Usually	110554506	4002690
Sometimes	27124777	2230443
Never	3948922	631192
Total	501560267	0.0000139

C4a. How often did they give you the chance to ask all the health-related questions you had?

ChanceAskQuestions	Percent	Std Err of Percent
Missing data (Not Ascertained)	7.7060	0.4149
Missing data (Web partial - Question Never Seen)	0.0666	0.0481
Multiple responses selected in error	0.0636	0.0362
Question answered in error (Commission Error)	2.8303	0.2781
Inapplicable, coded 0 in both FreqGoProvider AND FreqGoUrgentCare	13.3959	0.7592
Always	47.7000	0.8864
Usually	22.0421	0.7980
Sometimes	5.4081	0.4447

The SURVEYFREQ Procedure

C4a. How often did they give you the chance to ask all the health-related questions you had?

ChanceAskQuestions	Percent	Std Err of Percent
Never	0.7873	0.1258
Total	100.0000	

The SURVEYFREQ Procedure

Data Summary

Number of Observations	5438
Sum of Weights	756211485

Variance Estimation

Method	Jackknife
Replicate Weights	HINTS5_CYCLE3
Number of Replicates	150

Table of edu by gender
Controlling for Treatment_H5C3=Paper-Only

edu	gender	Frequency	Weighted Frequency	Std Err of Wgt Freq
Less than high school	Male	80	8923438	1611918
	Female	132	8945610	1122333
	Total	212	17869049	1912777
12 years or completed high school	Male	244	30200176	1933509
	Female	352	27633068	1311209
	Total	596	57833244	2490301
Some college	Male	410	46419134	1760754
	Female	545	51018533	1459370
	Total	955	97437667	2487300
College graduate or higher	Male	657	34135098	237043
	Female	841	38166778	296452
	Total	1498	72301877	360076
Total	Male	1391	119677847	852604
	Female	1870	125763989	721335
	Total	3261	245441836	1096622

The SURVEYFREQ Procedure

Table of edu by gender
Controlling for Treatment_H5C3=Paper-Only

edu	gender	Percent	Std Err of Percent	Row Percent	Std Err of Row Percent
Less than high school	Male	3.6357	0.6574	49.9380	5.7088
	Female	3.6447	0.4541	50.0620	5.7088
	Total	7.2804	0.7764	100.0000	
12 years or completed high school	Male	12.3044	0.7946	52.2194	1.8418
	Female	11.2585	0.5369	47.7806	1.8418
	Total	23.5629	1.0278	100.0000	
Some college	Male	18.9125	0.6838	47.6398	1.0739
	Female	20.7864	0.5898	52.3602	1.0739
	Total	39.6989	0.9579	100.0000	
College graduate or higher	Male	13.9076	0.0998	47.2119	0.2722
	Female	15.5502	0.1342	52.7881	0.2722
	Total	29.4578	0.1713	100.0000	
Total	Male	48.7602	0.2322		
	Female	51.2398	0.2322		
	Total	100.0000			

Table of edu by gender
Controlling for Treatment_H5C3=Paper-Only

edu	gender	Column Percent	Std Err of Col Percent
Less than high school	Male	7.4562	1.3523
	Female	7.1130	0.8895
	Total		
12 years or completed high school	Male	25.2346	1.6222
	Female	21.9722	1.0297
	Total		

The SURVEYFREQ Procedure

Table of edu by gender
Controlling for Treatment_H5C3=Paper-Only

edu	gender	Column Percent	Std Err of Col Percent
Some college	Male	38.7867	1.3562
	Female	40.5669	1.1366
	Total		

College graduate or higher	Male	28.5225	0.2361
	Female	30.3479	0.2438
	Total		

Total	Male	100.0000	
	Female	100.0000	
	Total		

Wald Chi-Square Test

Chi-Square 38.7550

F Value 12.9183

Num DF 3

Den DF 147

Pr > F <.0001

Adj F Value 12.7426

Num DF 3

Den DF 145

Pr > Adj F <.0001

Sample Size = 5234

The SURVEYFREQ Procedure

Table of edu by gender
Controlling for Treatment_H5C3=Web Option

edu	gender	Frequency	Weighted Frequency	Std Err of Wgt Freq
Less than high school	Male	17	5384575	1858898
	Female	34	8661378	2599718
	Total	51	14045953	3713344
12 years or completed high school	Male	69	26128708	4375941
	Female	101	27588987	3439605
	Total	170	53717694	5352248
Some college	Male	122	50602607	4109082
	Female	177	50078248	3241569
	Total	299	100680856	5178146
College graduate or higher	Male	177	33400107	708891
	Female	249	38205361	375899
	Total	426	71605469	768662
Total	Male	385	115515997	3128164
	Female	561	124533975	1771210
	Total	946	240049972	3411574

Table of edu by gender
Controlling for Treatment_H5C3=Web Option

edu	gender	Percent	Std Err of Percent	Row Percent	Std Err of Row Percent
Less than high school	Male	2.2431	0.7670	38.3354	9.1217
	Female	3.6082	1.0764	61.6646	9.1217
	Total	5.8513	1.5294	100.0000	
12 years or completed high school	Male	10.8847	1.8126	48.6408	5.4422
	Female	11.4930	1.4272	51.3592	5.4422
	Total	22.3777	2.2068	100.0000	

The SURVEYFREQ Procedure

Table of edu by gender
Controlling for Treatment_H5C3=Web Option

edu	gender	Percent	Std Err of Percent	Row Percent	Std Err of Row Percent
Some college	Male	21.0800	1.6196	50.2604	2.6310
	Female	20.8616	1.3808	49.7396	2.6310
	Total	41.9416	2.0538	100.0000	
College graduate or higher	Male	13.9138	0.3076	46.6446	0.6018
	Female	15.9156	0.2779	53.3554	0.6018
	Total	29.8294	0.4664	100.0000	
Total	Male	48.1216	0.7956		
	Female	51.8784	0.7956		
	Total	100.0000			

Table of edu by gender
Controlling for Treatment_H5C3=Web Option

edu	gender	Column Percent	Std Err of Col Percent
Less than high school	Male	4.6613	1.5922
	Female	6.9550	2.0860
	Total		
12 years or completed high school	Male	22.6191	3.6565
	Female	22.1538	2.7762
	Total		
Some college	Male	43.8057	3.3836
	Female	40.2125	2.3939
	Total		
College graduate or higher	Male	28.9138	0.8179
	Female	30.6787	0.4578
	Total		

The SURVEYFREQ Procedure

Table of edu by gender
Controlling for Treatment_H5C3=Web Option

edu	gender	Column Percent	Std Err of Col Percent
Total	Male	100.0000	
	Female	100.0000	
	Total		

Wald Chi-Square Test

Chi-Square	4.2216
F Value	1.4072
Num DF	3
Den DF	147
Pr > F	0.2431
Adj F Value	1.3880
Num DF	3
Den DF	145
Pr > Adj F	0.2488

Sample Size = 5234

The SURVEYFREQ Procedure

Table of edu by gender
Controlling for Treatment_H5C3=Web Bonus

edu	gender	Frequency	Weighted Frequency	Std Err of Wgt Freq
Less than high school	Male	22	6071338	1450185
	Female	43	10578133	2011096
	Total	65	16649471	2415508

12 years or completed high school	Male	68	28760747	2841962
	Female	99	27466036	2475406
	Total	167	56226783	3932872

Some college	Male	141	48449610	3823958
	Female	179	47317323	2062219
	Total	320	95766933	3992576

College graduate or higher	Male	196	33784308	596733
	Female	279	37489581	709925
	Total	475	71273890	972928

Total	Male	427	117066004	2182082
	Female	600	122851073	1597531
	Total	1027	239917077	2521018

Table of edu by gender
Controlling for Treatment_H5C3=Web Bonus

edu	gender	Percent	Std Err of Percent	Row Percent	Std Err of Row Percent
Less than high school	Male	2.5306	0.6033	36.4657	7.2384
	Female	4.4091	0.8415	63.5343	7.2384
	Total	6.9397	1.0091	100.0000	

12 years or completed high school	Male	11.9878	1.1810	51.1513	3.1809
	Female	11.4481	1.0238	48.8487	3.1809
	Total	23.4359	1.6237	100.0000	

The SURVEYFREQ Procedure

Table of edu by gender
Controlling for Treatment_H5C3=Web Bonus

edu	gender	Percent	Std Err of Percent	Row Percent	Std Err of Row Percent
Some college	Male	20.1943	1.5418	50.5912	2.4265
	Female	19.7224	0.8372	49.4088	2.4265
	Total	39.9167	1.5413	100.0000	
College graduate or higher	Male	14.0817	0.2413	47.4007	0.6088
	Female	15.6261	0.3107	52.5993	0.6088
	Total	29.7077	0.4175	100.0000	
Total	Male	48.7944	0.6015		
	Female	51.2056	0.6015		
	Total	100.0000			

Table of edu by gender
Controlling for Treatment_H5C3=Web Bonus

edu	gender	Column Percent	Std Err of Col Percent
Less than high school	Male	5.1863	1.2270
	Female	8.6105	1.6216
	Total		
12 years or completed high school	Male	24.5680	2.4702
	Female	22.3572	2.0373
	Total		
Some college	Male	41.3866	2.9967
	Female	38.5160	1.5128
	Total		
College graduate or higher	Male	28.8592	0.5777
	Female	30.5163	0.5371
	Total		

The SURVEYFREQ Procedure

Table of edu by gender
Controlling for Treatment_H5C3=Web Bonus

edu	gender	Column Percent	Std Err of Col Percent
Total	Male	100.0000	
	Female	100.0000	
	Total		

Wald Chi-Square Test

Chi-Square 11.8806

F Value 3.9602

Num DF 3

Den DF 147

Pr > F 0.0095

Adj F Value 3.9063

Num DF 3

Den DF 145

Pr > Adj F 0.0102

Sample Size = 5234

The SURVEYLOGISTIC Procedure

Model Information

Data Set	WORK.HINTS5_CYCLE3
Response Variable	SeekCancerInfo
Number of Response Levels	2
Weight Variable	nwgt0
Model	Binary Logit
Optimization Technique	Newton-Raphson

Model Information

A8. Have you ever looked for information about cancer from any source?

FINAL PERSON-LEVEL FULL SAMPLE WEIGHT ALL TREATMENTS COMBINED, CONTROLLING FOR GROUP DIFFERENCES

Number of Observations Read	5438
Number of Observations Used	5155
Sum of Weights Read	7.5621E8
Sum of Weights Used	7.1564E8

Response Profile

Ordered Value	Seek Cancer Info	Total Frequency	Total Weight
1	Yes	2940	384223745
2	No	2215	331412276

Probability modeled is SeekCancerInfo='Yes'.

NOTE: 283 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information

Class	Value	Design Variables		
edu	12 years or completed high school	1	0	0
	College graduate or higher	0	1	0
	Less than high school	0	0	0
	Some college	0	0	1

The SURVEYLOGISTIC Procedure

Class Level Information

Class	Value	Design Variables	
gender	Female	1	
	Male	0	
Treatment_H5C3	Paper-Only	0	0
	Web Bonus	1	0
	Web Option	0	1

Variance Estimation

Method	Jackknife
Replicate Weights	HINTS5_CYCLE3
Number of Replicates	150

Model Convergence Status

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

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	988181334	945874457
SC	988181352	945874586
-2 Log L	988181332	945874443

Testing Global Null Hypothesis: BETA=0

Test	F Value	Num DF	Den DF	Pr > F
Likelihood Ratio	45.13	5.4999	808.48	<.0001
Score	15.18	6	147	<.0001
Wald	12.72	6	147	<.0001

NOTE: Second-order Rao-Scott design correction
0.0909 applied to the Likelihood Ratio test.

The SURVEYLOGISTIC Procedure

Type 3 Analysis of Effects

Effect	F Value	Num DF	Den DF	Pr > F
Treatment_H5C3	1.46	2	147	0.2351
gender	19.22	1	147	<.0001
edu	19.85	3	147	<.0001

Analysis of Maximum Likelihood Estimates

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	-0.6301	0.2355	-2.68	0.0083
Treatment_H5C3 Web Bonus	-0.1931	0.1211	-1.59	0.1129
Treatment_H5C3 Web Option	-0.1264	0.1276	-0.99	0.3237
gender Female	0.4969	0.1133	4.38	<.0001
edu 12 years or completed high school	0.00175	0.2750	0.01	0.9949
edu College graduate or higher	1.0730	0.2505	4.28	<.0001
edu Some college	0.7697	0.2693	2.86	0.0049

NOTE: The degrees of freedom for the t tests is 147.

Analysis of Maximum Likelihood Estimates

Parameter	95% Confidence Limits		Exp(Est)
Intercept	-1.0955	-0.1647	0.533
Treatment_H5C3 Web Bonus	-0.4324	0.0462	0.824
Treatment_H5C3 Web Option	-0.3786	0.1258	0.881
gender Female	0.2729	0.7208	1.644
edu 12 years or completed high school	-0.5417	0.5452	1.002
edu College graduate or higher	0.5779	1.5680	2.924
edu Some college	0.2374	1.3019	2.159

NOTE: The degrees of freedom for the t tests is 147.

The SURVEYLOGISTIC Procedure

Odds Ratio Estimates

Effect	Point Estimate
Treatment_H5C3 Web Bonus vs Paper-Only	0.824
Treatment_H5C3 Web Option vs Paper-Only	0.881
gender Female vs Male	1.644
edu 12 years or completed high school vs Less than high school	1.002
edu College graduate or higher vs Less than high school	2.924
edu Some college vs Less than high school	2.159

NOTE: The degrees of freedom in computing the confidence limits is 147.

Odds Ratio Estimates

Effect	95% Confidence Limits
Treatment_H5C3 Web Bonus vs Paper-Only	0.649 1.047
Treatment_H5C3 Web Option vs Paper-Only	0.685 1.134
gender Female vs Male	1.314 2.056
edu 12 years or completed high school vs Less than high school	0.582 1.725
edu College graduate or higher vs Less than high school	1.782 4.797
edu Some college vs Less than high school	1.268 3.676

NOTE: The degrees of freedom in computing the confidence limits is 147.

Association of Predicted Probabilities and Observed Responses

Percent Concordant	59.3	Somers' D	0.272
Percent Discordant	32.1	Gamma	0.298
Percent Tied	8.6	Tau-a	0.133
Pairs	6512100	c	0.636

The SURVEYLOGISTIC Procedure

Parameter Estimates and t Confidence Intervals

		Estimate	95% Confidence Limits	
Intercept		-0.6301	-1.0955	-0.1647
Treatment_H5C3	Web Bonus	-0.1931	-0.4324	0.0462
Treatment_H5C3	Web Option	-0.1264	-0.3786	0.1258
gender	Female	0.4969	0.2729	0.7208
edu	12 years or completed high school	0.00175	-0.5417	0.5452
edu	College graduate or higher	1.0730	0.5779	1.5680
edu	Some college	0.7697	0.2374	1.3019

NOTE: The degrees of freedom in computing the confidence limits is 147.

The SURVEYREG Procedure

Regression Analysis for Dependent Variable GeneralHealth

Data Summary

Number of Observations	5165
Sum of Weights	718309702
Weighted Mean of GeneralHealth	2.54881
Weighted Sum of GeneralHealth	1830836722

Fit Statistics

R-Square	0.05790
Root MSE	0.9341
Denominator DF	147

Variance Estimation

Method	Jackknife
Replicate Weights	HINTS5_CYCLE3
Number of Replicates	150

Class Level Information

CLASS Variable	Label	Levels	Values
edu		4	12 years or completed high school College graduate or higher Some college Less than high school
gender		2	Female Male
Treatment_H5C3	Hints 5 Cycle 3/Web Pilot Treatment Cohort Group	3	Web Bonus Web Option Paper-Only

Tests of Model Effects

Effect	Num DF	F Value	Pr > F
Model	6	23.83	<.0001
Intercept	1	6402.43	<.0001
Treatment_H5C3	2	0.10	0.9065
edu	3	41.68	<.0001
gender	1	0.81	0.3690

The SURVEYREG Procedure

Regression Analysis for Dependent Variable GeneralHealth

NOTE: The denominator degrees of freedom for the F tests is 147.

Estimated Regression Coefficients

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	2.8856270	0.10542058	27.37	<.0001
Treatment_H5C3 Web Bonus	-0.0229695	0.06736805	-0.34	0.7336
Treatment_H5C3 Web Option	0.0096784	0.04997599	0.19	0.8467
Treatment_H5C3 Paper-Only	0.0000000	0.00000000	.	.
edu 12 years or completed high school	-0.2224328	0.11297466	-1.97	0.0508
edu College graduate or higher	-0.7005423	0.09968613	-7.03	<.0001
edu Some college	-0.2473270	0.10351548	-2.39	0.0181
edu Less than high school	0.0000000	0.00000000	.	.
gender Female	0.0543002	0.06025889	0.90	0.3690
gender Male	0.0000000	0.00000000	.	.

NOTE: The degrees of freedom for the t tests is 147.

Matrix X'WX is singular and a generalized inverse was used to solve the normal equations.
Estimates are not unique.