

SUPPLEMENT 4

SCENARIO 1. Computer failure.

*I would like to be informed about these risks before surgery
Definitely yes, Probably yes, Don't know, Probably no, Definitely no*

Sheet1(W2)

Ordinal Logistic Regression: Question 6 versus Ethnic Group, Hospital, Education, Surgery, Sex, Age

Link Function: Logit

Response Information

Variable	Value	Count
Question 6	1	626
	2	87
	3	27
	4	8
	5	5
Total		753

Factor Information

Factor	Levels	Values
Ethnic Group	5	1, 2, 3, 4, 5
Hospital	3	1, 2, 3
Education	4	1, 2, 3, 4
Surgery	4	1, 2, 3, 4
Sex	2	1, 2

* NOTE * 753 cases were used

* NOTE * 251 cases contained missing values or was a case with zero frequency.

Logistic Regression Table

Predictor	Coef	SE Coef	Z	P	Odds Ratio	95% CI	
						Lower	Upper
Const(1)	2.42843	0.789368	3.08	0.002			
Const(2)	3.73322	0.801339	4.66	0.000			
Const(3)	4.90041	0.833389	5.88	0.000			
Const(4)	5.87081	0.904372	6.49	0.000			
Age	0.0031760	0.0057040	0.56	0.578	1.00	0.99	1.01
Ethnic Group							
2	1.18326	0.784151	1.51	0.131	3.27	0.70	15.18
3	-0.232300	0.703154	-0.33	0.741	0.79	0.20	3.15
4	-0.416875	0.348430	-1.20	0.232	0.66	0.33	1.30
5	-0.439609	0.566669	-0.78	0.438	0.64	0.21	1.96
Hospital							
2	-0.0878256	0.320632	-0.27	0.784	0.92	0.49	1.72
3	-0.0850059	0.316378	-0.27	0.788	0.92	0.49	1.71
Education							
2	-0.670634	0.670318	-1.00	0.317	0.51	0.14	1.90

3	-0.627997	0.655910	-0.96	0.338	0.53	0.15	1.93
4	-0.570894	0.696744	-0.82	0.413	0.57	0.14	2.21
Surgery							
2	-0.409685	0.384741	-1.06	0.287	0.66	0.31	1.41
3	-0.612030	0.402108	-1.52	0.128	0.54	0.25	1.19
4	-0.0934014	0.408061	-0.23	0.819	0.91	0.41	2.03
Sex							
2	0.504533	0.198287	2.54	0.011	1.66	1.12	2.44

Tests for terms with more than 1 degree of freedom

Term	Chi-Square	DF	P
Ethnic Group	6.12390	4	0.190
Hospital	0.13398	2	0.935
Education	1.03681	3	0.792
Surgery	4.57938	3	0.205

Log-Likelihood = -443.916

Test of All Slopes Equal to Zero

DF	G	P-Value
14	21.534	0.089

Goodness-of-Fit Tests

Method	Chi-Square	DF	P
Pearson	2553.12	2618	0.815
Deviance	812.97	2618	1.000

Measures of Association:

(Between the Response Variable and Predicted Probabilities)

Pairs	Number	Percent	Summary Measures	Value
Concordant	50849	61.0	Somers' D	0.23
Discordant	31322	37.6	Goodman-Kruskal Gamma	0.24
Ties	1202	1.4	Kendall's Tau-a	0.07
Total	83373	100.0		

SCENARIO 2. Lack of equipment

*I would like to be informed about these risks before surgery
Definitely yes, Probably yes, Don't know, Probably no, Definitely no*

Sheet1(W2)

Ordinal Logistic Regression: Question 12 versus Ethnic Group, Hospital, Education, Surgery, Sex, Age

Link Function: Logit

Response Information

Variable	Value	Count
Question 12	1	631
	2	66
	3	21
	4	10
	5	4
Total		732

* NOTE * 732 cases were used

* NOTE * 272 cases contained missing values or was a case with zero frequency.

Logistic Regression Table

Predictor	Coef	SE Coef	Z	P	Odds Ratio	95% CI	
						Lower	Upper
Const(1)	2.63818	0.910356	2.90	0.004			
Const(2)	3.81619	0.921619	4.14	0.000			
Const(3)	4.76521	0.944807	5.04	0.000			
Const(4)	6.03599	1.03497	5.83	0.000			
Age	-0.0041243	0.0064261	-0.64	0.521	1.00	0.98	1.01
Ethnic Group							
2	0.715198	0.679491	1.05	0.293	2.04	0.54	7.74
3	0.921489	1.09114	0.84	0.398	2.51	0.30	21.33
4	-0.187834	0.357205	-0.53	0.599	0.83	0.41	1.67
5	0.0056341	0.643748	0.01	0.993	1.01	0.28	3.55
Hospital							
2	-0.450883	0.328219	-1.37	0.170	0.64	0.33	1.21
3	0.367524	0.396510	0.93	0.354	1.44	0.66	3.14
Education							
2	-0.786950	0.777759	-1.01	0.312	0.46	0.10	2.09
3	-0.541700	0.766501	-0.71	0.480	0.58	0.13	2.61
4	-0.244485	0.818376	-0.30	0.765	0.78	0.16	3.89
Surgery							
2	0.0213423	0.422671	0.05	0.960	1.02	0.45	2.34
3	-0.577855	0.431467	-1.34	0.180	0.56	0.24	1.31
4	0.0652712	0.439423	0.15	0.882	1.07	0.45	2.53

Sex

2 0.435647 0.219023 1.99 0.047 1.55 1.01 2.37
Log-Likelihood = -380.895

Test of All Slopes Equal to Zero

DF	G	P-Value
14	19.885	0.134

Goodness-of-Fit Tests

Method	Chi-Square	DF	P
Pearson	2502.18	2546	0.729
Deviance	709.11	2546	1.000

Measures of Association:

(Between the Response Variable and Predicted Probabilities)

Pairs	Number	Percent	Summary Measures	Value
Concordant	41720	62.9	Somers' D	0.27
Discordant	23913	36.0	Goodman-Kruskal Gamma	0.27
Ties	742	1.1	Kendall's Tau-a	0.07
Total	66375	100.0		

SCENARIO 3. Bed shortage or lack of operating capacity
I would like to be informed about these risks before surgery
Definitely yes, Probably yes, Don't know, Probably no, Definitely no

Sheet1(W2)

Ordinal Logistic Regression: Question 18 versus Ethnic Group, Hospital, Education, Surgery, Sex, Age

Link Function: Logit

Response Information

Variable	Value	Count
Question 18	1	603
	2	78
	3	24
	4	16
	5	6
Total		727

* NOTE * 727 cases were used

* NOTE * 277 cases contained missing values or was a case with zero frequency.

Logistic Regression Table

Predictor	Coef	SE Coef	Z	P	Odds Ratio	95% CI	
						Lower	Upper
Const(1)	2.37300	0.737160	3.22	0.001			
Const(2)	3.50971	0.747538	4.70	0.000			
Const(3)	4.28796	0.763500	5.62	0.000			
Const(4)	5.61689	0.839094	6.69	0.000			
Age	-0.0072739	0.0057550	-1.26	0.206	0.99	0.98	1.00
Ethnic Group							
2	-0.429124	0.494513	-0.87	0.386	0.65	0.25	1.72
3	-0.765863	0.619442	-1.24	0.216	0.46	0.14	1.57
4	-0.176242	0.345186	-0.51	0.610	0.84	0.43	1.65
5	-0.302063	0.560141	-0.54	0.590	0.74	0.25	2.22
Hospital							
2	-0.442885	0.304789	-1.45	0.146	0.64	0.35	1.17
3	0.0185189	0.354178	0.05	0.958	1.02	0.51	2.04
Education							
2	0.215563	0.545902	0.39	0.693	1.24	0.43	3.62
3	0.295303	0.529764	0.56	0.577	1.34	0.48	3.79
4	0.564077	0.588026	0.96	0.337	1.76	0.56	5.57
Surgery							
2	-0.721125	0.446855	-1.61	0.107	0.49	0.20	1.17
3	-1.28229	0.456172	-2.81	0.005	0.28	0.11	0.68
4	-0.451777	0.465744	-0.97	0.332	0.64	0.26	1.59
Sex							
2	0.566452	0.202330	2.80	0.005	1.76	1.19	2.62

Log-Likelihood = -445.875

Test of All Slopes Equal to Zero

DF	G	P-Value
14	25.420	0.031

Goodness-of-Fit Tests

Method	Chi-Square	DF	P
Pearson	2851.17	2542	0.000
Deviance	836.30	2542	1.000

Measures of Association:

(Between the Response Variable and Predicted Probabilities)

Pairs	Number	Percent	Summary Measures	Value
Concordant	50275	63.7	Somers' D	0.28
Discordant	27933	35.4	Goodman-Kruskal Gamma	0.29
Ties	776	1.0	Kendall's Tau-a	0.08
Total	78984	100.0		