

Binary Logistic Regression: Predictors of starting a contraceptive method among women (n=792) obtaining post abortion care.

Notes

Output Created			05-DEC-2017 14:36:45
Comments			
Input	Data	\\fohm\public\home_osd\marlene.makenzius\Documents\KENYA POSTDOC\Contraceptives\REVISED SUBM 2\DATAsharing Plosone.sav	
	Active Dataset	DataSet1	
	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File		810
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing	
Syntax		LOGISTIC REGRESSION VARIABLES ACCEPTCONTR /METHOD=ENTER AGE5 Status2 Preg3 Q3.9 /CONTRAST (AGE5)=Indicator /CONTRAST (Status2)=Indicator /CONTRAST (Preg3)=Indicator(1) /CONTRAST (Q3.9)=Indicator /PRINT=GOODFIT CORR CI(95) /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).	
Resources	Processor Time		00:00:00,05
	Elapsed Time		00:00:00,04

Case Processing Summary

Unweighted Cases ^a		N	Percent
Selected Cases	Included in Analysis	784	96,8
	Missing Cases	26	3,2
	Total	810	100,0
Unselected Cases		0	,0
Total		810	100,0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
No	0
YES	1

Categorical Variables Codings

		Frequency	Parameter coding			
			(1)	(2)	(3)	(4)
AGE5	-20	168	1,000	,000	,000	,000
	21-25	293	,000	1,000	,000	,000
	26-30	203	,000	,000	1,000	,000
	31-35	74	,000	,000	,000	1,000
	36-	46	,000	,000	,000	,000
	0	219	,000	,000		
Pregnancies 3 cat	1-2	339	1,000	,000		
	3-12	226	,000	1,000		
	Did your partner accompanied you to the PAC clinic?					
Status dic	Yes	427	1,000			
	No	357	,000			
Status dic	Married/co-habiting	537	1,000			
	Single/widowed/devorced/separated	247	,000			

Block 0: Beginning Block

Classification Table^{a,b}

	Observed	Predicted			
		ACCEPTCONTR		Percentage Correct	
		No	YES		
Step 0	ACCEPTCONTR	No	0	190	,0
		YES	0	594	100,0
	Overall Percentage				75,8

a. Constant is included in the model.

b. The cut value is ,500

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)	
Step 0	Constant	1,140	,083	187,035	1	,000	3,126

Variables not in the Equation

	Score	df	Sig.	
Step 0	Variables			
	AGE5	12,773	4	,012
	AGE5(1)	7,283	1	,007
	AGE5(2)	2,408	1	,121
	AGE5(3)	4,538	1	,033
	AGE5(4)	1,344	1	,246
	Status2(1)	5,558	1	,018
	Preg3	8,984	2	,011
	Preg3(1)	1,449	1	,229
	Preg3(2)	2,604	1	,107
	Q3.9(1)	4,364	1	,037
	Overall Statistics	22,859	8	,004

Block 1: Method = Enter

Omnibus Tests of Model Coefficients

	Chi-square	df	Sig.	
Step 1	Step	22,783	8	,004
	Block	22,783	8	,004
	Model	22,783	8	,004

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	845,529 ^a	,029	,043

a. Estimation terminated at iteration number 4 because parameter estimates changed by less than ,001.

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	6,006	8	,647

Contingency Table for Hosmer and Lemeshow Test

		ACCEPTCONTR = No		ACCEPTCONTR = YES		Total
		Observed	Expected	Observed	Expected	
Step 1	1	28	28,863	46	45,137	74
	2	27	22,061	41	45,939	68
	3	24	22,095	49	50,905	73
	4	16	20,689	59	54,311	75
	5	17	19,323	61	58,677	78
	6	17	18,159	61	59,841	78
	7	21	16,769	61	65,231	82
	8	12	11,473	51	51,527	63
	9	9	11,757	59	56,243	68
	10	19	18,812	106	106,188	125

Classification Table^a

	Observed	Predicted			
		ACCEPTCONTR		Percentage Correct	
		No	YES		
Step 1	ACCEPTCONTR	No	0	190	,0
		YES	0	594	100,0
Overall Percentage					75,8

a. The cut value is ,500

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
							Lower	Upper
Step 1 ^a	AGE5		10,615	4	,031			
	AGE5(1)	,455	,420	1,172	,279	1,576	,692	3,590
	AGE5(2)	,853	,391	4,757	,029	2,347	1,090	5,054
	AGE5(3)	,798	,385	4,294	,038	2,220	1,044	4,722
	AGE5(4)	,132	,414	,102	,749	1,141	,507	2,568
	Status2(1)	,145	,216	,450	,503	1,156	,757	1,764
	Preg3			6,032	,049			
	Preg3(1)	,394	,211	3,508	,061	1,483	,982	2,241
	Preg3(2)	,658	,279	5,568	,018	1,932	1,118	3,337
	Q3.9(1)	,192	,184	1,083	,298	1,211	,844	1,739
	Constant	-,019	,426	,002	,965	,981		

a. Variable(s) entered on step 1: AGE5, Status2, Preg3, Q3.9.

Correlation Matrix

		Constant	AGE5(1)	AGE5(2)	AGE5(3)	AGE5(4)	Status2(1)	Preg3(1)	Preg3(2)	Q3.9(1)
Step 1	Constant	1,000	-,890	-,865	-,757	-,650	-,289	-,300	-,480	-,035
	AGE5(1)	-,890	1,000	,845	,768	,653	,216	,140	,396	-,075
	AGE5(2)	-,865	,845	1,000	,805	,690	,132	,084	,359	-,082
	AGE5(3)	-,757	,768	,805	1,000	,682	,069	-,003	,214	-,090
	AGE5(4)	-,650	,653	,690	,682	1,000	,044	,002	,090	-,020
	Status2(1)	-,289	,216	,132	,069	,044	1,000	-,172	-,215	-,363
	Preg3(1)	-,300	,140	,084	-,003	,002	-,172	1,000	,553	-,010
	Preg3(2)	-,480	,396	,359	,214	,090	-,215	,553	1,000	,017
	Q3.9(1)	-,035	-,075	-,082	-,090	-,020	-,363	-,010	,017	1,000