

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
							Lower	Upper
Step 1 ^a								
usefan	.087	.871	.010	1	.920	1.091	.198	6.016
waterdamage	1.788	1.579	1.282	1	.257	5.976	.271	131.864
hstructure	2.186	1.687	1.680	1	.195	8.903	.326	242.806
housepests	.718	.775	.857	1	.354	2.050	.449	9.368
cookingmthd	-1.445	.917	2.483	1	.115	.236	.039	1.422
chldcarpet	-1.881	1.039	3.276	1	.070	.152	.020	1.169
beddingtype	.105	.835	.016	1	.900	1.110	.216	5.708
dampspots	-1.652	12.580	.017	1	.895	.192	.000	9.775E9
molds	.796	12.620	.004	1	.950	2.217	.000	1.224E11
ownroom	.971	1.199	.655	1	.418	2.640	.252	27.706
household	-1.281	1.101	1.353	1	.245	.278	.032	2.405
numberofattacks	1.359	.778	3.053	1	.081	3.891	.847	17.862
snzprblminterfer	.951	.942	1.020	1	.313	2.589	.409	16.400
medicationtype	-2.911	.977	8.871	1	.003	.054	.008	.370
asthmaage	-3.544	1.187	8.916	1	.003	.029	.003	.296
Constant	16.152	7.871	4.211	1	.040	1.035E7		

a. Variable(s) entered on step 1: usefan, waterdamage, hstructure, housepests, cookingmthd, chldcarpet, beddingtype, dampspots, molds, ownroom, household, numberofattacks, snzprblminterfer, medicationtype, asthmaage.

On testing the variables with the eleven variables which were significant at the stage of Chi square, the significant and potentially significant variables were tested as above. Only medication type and asthma age were found to be significant.

Variables	Odd's ratio	P value.	95% C.I. for Odd's ratio	
			Lower	Upper
usefan	1.091	.920	.198	6.016
waterdamage	5.976	.257	.271	131.864
hstructure	8.903	.195	.326	242.806
housepests	2.050	.354	.449	9.368
cookingmthd	.236	.115	.039	1.422
chldcarpet	.152	.070	.020	1.169
beddingtype	1.110	.900	.216	5.708
dampspots	.192	.895	.000	9.775E9
molds	2.217	.950	.000	1.224E11
ownroom	2.640	.418	.252	27.706
household	.278	.245	.032	2.405

numberofattacks	3.891	.081	.847	17.862
snzprblminterfer	2.589	.313	.409	16.400
medicationtype	.054	.003	.008	.370
asthmaage	.029	.003	.003	.296

The odds ratio was more than one for usefan, waterdamage, hstructure, beddingtype, molds, numberofattacks, snzprblminterfer. However they were not significant since the p value is more than 0.05.