

Cross Tabulation and Chi -Square Test

Highest Level of Education Completed	Has Attended Head Start Programs	Has Not Attended Head Start Programs	Pearson Chi-Square
High School Or Less	9	9	44.550***
Some College or More	81	0	
Total	90	9	

*Note. $p < .05$ *, $p < .01$ *, $p < .001$ ****

The above table demonstrates the crosstabulation of two nominal ordinal variables and Chi-Square test ran with those variables. The variables were operationalized using the following survey questions: “What is the highest degree of education anyone in your household has completed?,” and “How often do you attend programs at Head Start?” The attributes for the household education survey question were, “Less than High School,” “High School,” “Some College,” “College degree or higher,” and “Prefer Not to Answer.” The results of this question were re-coded into two groups, “High School or Less,” and “Some College or More.” The attributes for the frequency of attendance to Head Start programs questions were, “Often,” “Sometimes,” “Rarely,” and “Never.” The results of this survey question were re-coded into two groups, “Has Attended Head Start Programs,” “Has Not Attended Head Start Programs.” The results of the crosstabulation of these variables were as follows: of the 90 respondents who reported they had attended Head Start Programs, 9 had completed High School or less, and 81 had completed Some College or More, and of the 9 respondents who reported not attending Head Start Programs, 9 had completed high

school or less, and 0 had completed some college. The Chi-Square test on these variables resulted in a value of 45.550. The asymptotic significance value was $<.001$, which indicates a high level of significance.