To create a 2x2 table using BigMouth i2b2 query tool.

Step 1: Login into the BigMouth i2b2 query tool.

Step 2: Choose the variables for your 2x2 table. For example, let's create a 2x2 table to compare the odds of High caries risk between males and females. The variables here are Gender and Diagnosis of High and Low caries risk.

Step 3: Search for the diagnosis of "Caries risk high" in the Navigate Terms section on the left side of the BigMouth tool and drag it to Group 1 of the Query tool.

Step 4: Click on Run Query and select the option to display the number and gender breakdown of patients.

Step 5: Review the results in the Query Results section and note the counts of Males and Females in the output.
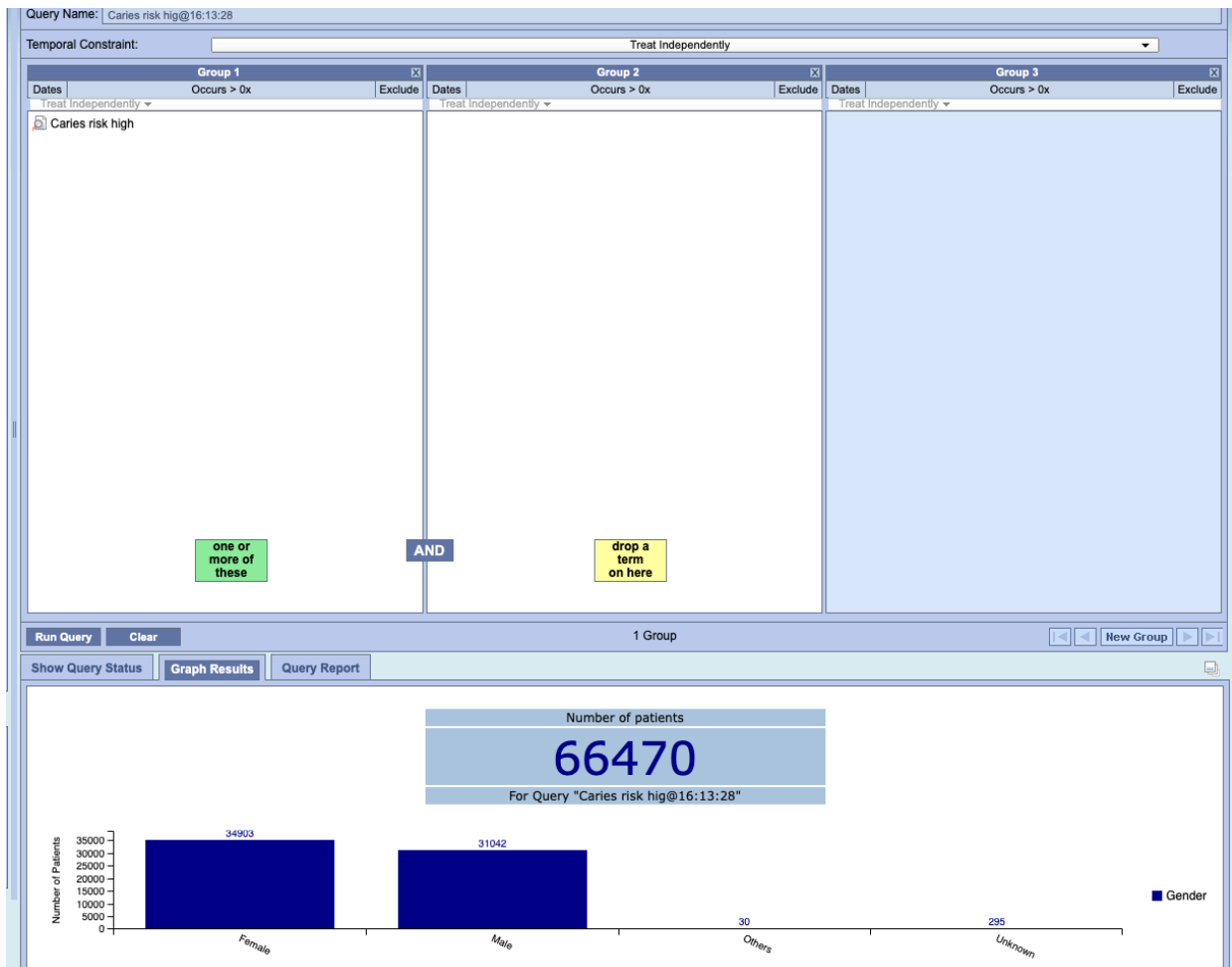
Step 6: Clear the query results by clicking on "Clear".

Step 7: Repeat steps 3-6 for the diagnosis of "Caries risk low" by dragging it to Group 1 of the Query tool as shown below.

Step 8: Use the results from both queries to create a 2x2 table, as illustrated below:

	High Caries Risk	Low Caries Risk	
Males	31042	4365	35407
Females	34903	5329	40232
	65945	9694	75639