

8B. Power Calculation

Preliminary Testing Results – ADHD Measure Accurate Diagnosis

	N	Performance
Asian	1	100%
Black	7	29%
Hispanic	6	33.33%
White	6	33.33%

ADHD Measure –Accurate Diagnosis

Power Calculation for Measuring Disparities (One institution’s data) All 0.8 power.

White Performance Ratio	0.8333	0.6667	0.6667	0.58333	0.3333
Minority Performance Ratio	0.75	0.058	0.6	0.5	0.25
# White patients	596	781	1292	895	762
# Minority patients	209	274	453	314	267

The Ns in the table above are the required number of patients needed to detect a significant difference. So for the first column if white ratio is 0.8333 and minority ratio is 0.75, you would need 596 white patients and 209 minority patients to detect a significant difference in one institution.

We do not have sufficient cases to statistically compare how each race/ethnic group performs relative to the other group’s rates of success. A range of estimates is therefore presented.