

1145-Q1-623 **Jana Talley***, jana.r.talley@jsums.edu, and **Carmen Wright**, carmen.m.wright@jsums.edu. *The Jackson State University Girls Engaging in the Mathematical Sciences Program: A Summer Enrichment Experience for Middle School Girls*. Preliminary report.

The Jackson State University Girls Engaging in the Mathematical Sciences Program (JSU GEMS) is a one-week summer enrichment program for middle school girls who are members of groups underrepresented in the mathematical sciences. Jackson State University is an urban, Historically Black University situated within a low performing school district. The summer program addresses the underrepresentation of women and minorities by offering participants several rigorous learning experiences and engagement with mathematicians and other professionals in mathematically intensive careers.

This study is designed to examine the impact of participation in the program on girls' propensity to engage in the mathematical sciences. Both surveys and interviews are being collected to address the following research questions: RQ1: How has participation in JSU GEMS impacted participants' propensity to engage in mathematics activities? RQ2: How has participation in JSU GEMS impacted participants' propensity to enroll in elective or advanced mathematics courses? RQ3: How has participation in JSU GEMS impacted participants' interest in pursuing a career in mathematics? RQ4: How has participation in JSU GEMS impacted participants' mathematics self-efficacy? (Received September 11, 2018)