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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. The summer program addresses the underrepresentation of women and minorities by offering participants a variety of rigorous learning experiences and engagement with mathematicians and professionals in mathematically intensive careers.

Both surveys and interviews were conducted with two cohorts of JSU GEMS participants 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?

The presentation will specifically compare results from Cohorts 1 and 2 of the research study to identify ongoing themes related to RQ1 and RQ4. (Received September 17, 2019)