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In this presentation, we will share some results of a longitudinal evaluation of the National Research Experience for Undergraduates Program (NREUP). The NREUP is sponsored by the Mathematical Association of America (MAA) and its Strengthening Unrepresented Minority Mathematics Achievement (SUMMA) program, and funded by the NSF and the NSA. The NREUP programs are summer intensive research programs for underrepresented undergraduate students with the goal of increasing students' interest in obtaining advanced degrees and career in mathematics or a closely related field. Since its pilot year in 2003, up to 12 programs at various colleges and universities have been funded each summer. The NREUP had 410 participants since 2003, and about 46% of the participants were females. Among the participating students, 62% of them were African America, 21% were Hispanic Americans and 11% were Latino Americans. Participating students were invited to evaluate the program one, two and four years after their participation in the program. We will share results from follow-up interviews and online surveys as well as our plans to explore the experience of the program directors and mentors. (Received September 25, 2012)