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Modeling the Effect of

Socioeconomic Factors on Teen Birth Rates

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Teen birth rates are an epidemic across the state of Maryland. According to the *National Campaign to Prevent Teen and Unwanted Pregnancy*, Maryland is ranked 10th in the country when it comes to teen births. In 2013, the bulk of the teen birth rates come from Baltimore County, Baltimore City, and Prince George's County. The latter county is located on the East side of Washington D.C.

Past research has shown that teen pregnancy has resulted from the combination of poverty and income inequality. The purpose of this experiment was to show the correlation between income inequality, education, poverty, and single-parent households to high teen-birth rates. This study utilizes analysis to describe the effect of these socioeconomic factors on teen birth rates. It uses Poisson regression to examine the relationship between socioeconomic factors and teen-birth rates.