

Changes in Smoking Behavior Between First and Second Pregnancies

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Objectives: To assess changes in maternal smoking behavior at the second pregnancy. **Methods:** First and second birth certificates were matched for 5241 white and black mothers in Kansas City, Mo, who had singleton births between 1994 and 2003. **Results:** The pregnancy-smoking quit rate was 24.9%, and the pregnancy-smoking initiation rate was 4.8%. **Conclusions:** Twenty-five percent of women who smoked and 5% of women who did not smoke during

their first pregnancy changed their behavior during their second pregnancy. These findings reflect a minimal net shift in pregnancy-smoking between pregnancies and support the importance of persistent antismoking socialization that is independent of a pregnant woman's previous pregnancy-smoking status.

Key words: pregnancy, maternal smoking, smoking behavior, tobacco use, maternal alcohol use

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