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Traffic Injury Prevention > Volume 7, 2006 - Issue 4

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Original Articles

Parent Driver Characteristics Associated with Sub-Optimal Restraint of Child **Passengers**

Flaura K. Winston, Irene G. Chen, Rebecca Smith & Michael R. Elliott Pages 373-380 | Received 30 Dec 2005, Accepted 07 May 2005, Published online: 25 Jan 2007

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arents as

reference, adjusted relative risk, adjusted RR = 1.24, 95% CI: 1.09-1.41); less educated

parents (with college graduate or above as reference: high school, adjusted RR = 1.27, 95% CI: 1.12–1.44; less than high school graduate, adjusted RR = 1.36, 95% CI: 1.13–1.63); and lower family income (with \$50,000 or more as reference: <\$20,000, adjusted RR = 1.23, 95% CI: 1.07–1.40). Multivariate analysis revealed the following independent risk factors for sub-optimal restraint among four-to-eight-year-olds: older parent age, limited education, black race, and income below \$20,000.

Conclusions. Parents with low educational levels or of non-Hispanic black background may require additional anticipatory guidance regarding child passenger safety. The importance of poverty in predicting sub-optimal restraint underscores the importance of child restraint and booster seat disbursement and education programs, potentially through Medicaid.

Keywords:

Child Passenger Safety Health Disparity Poverty Child Safety Seats Booster Seats

ACKNOWLEDGMENTS



Notes

¹unweig

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⁴unweighted sample size = 2920. *P < 0.05;**P < 0.01;***P < 0.001. Related Research Data Indicators of social class Source: Social Science & Medicine Impacts of culture on driver knowledge and safety device usage among Hispanic farm workers Source: Accident Analysis & Prevention Lessons for increasing awareness and use of booster seats in a Latino community Source: Injury Prevention Selecting and Using the Most Appropriate Car Safety Seats for Growing Children: **Guidelines for Counseling Parents** Sourc X Exam ey Sourc Who Sourc Child Sourc The [Sourc Incre ion with age Sourc A mu Sourc

 3 unweighted sample size = 1706.

Psychosocial factors related to parental restraint of pre-school children in motor vehicles

Source: Accident Analysis & Prevention Characteristics of child safety seat users Source: Accident Analysis & Prevention

Use and Misuse of Automobile Child Restraint Devices Source: Archives of Pediatrics and Adolescent Medicine

Demographic Predictors of Infant Car Seat Use

Source: Archives of Pediatrics and Adolescent Medicine

Injury Prevention and Control

Source: Emergency Medicine Clinics of North America

Car transportation conditions of preschool children: use of children's car safety seats

Source: Acta Paediatrica

A statewide analysis of child safety seat use and misuse in Michigan

Source: Accident Analysis & Prevention

An Analysis of Race and Demographic Factors among Motor Vehicle Fatalities

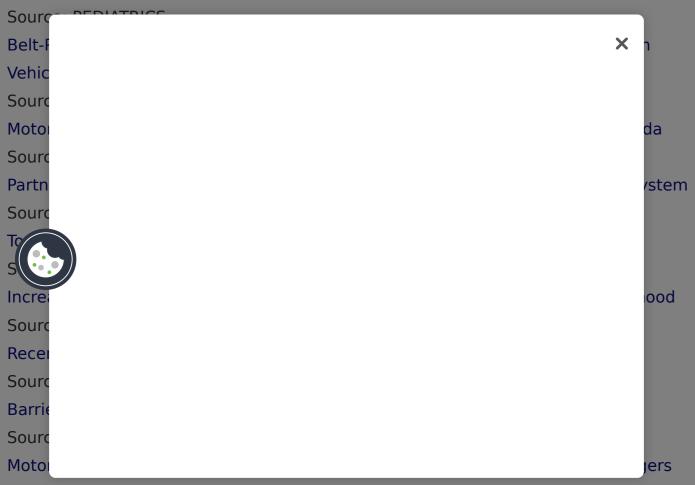
Source: Journal of Trauma and Acute Care Surgery

The effect of adult belt laws and other factors on restraint use for children under age 11

Source: Accident Analysis & Prevention

Child Safety Seat Knowledge Among Parents Utilizing Emergency Services in a Level I

Trauma Center in Southern California



Source: Archives of Pediatrics and Adolescent Medicine

Factors Associated With Restraint Use of Children in Fatal Crashes
Source: PEDIATRICS

Children in fatal crashes: driver blood alcohol concentration and demographics of child

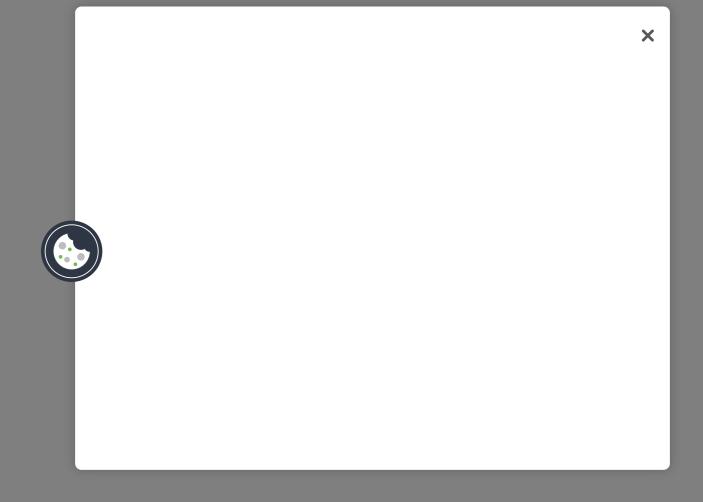
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