

# Differential impact of local and federal smoke-free legislation in Mexico: a longitudinal study among adult smokers

James F Thrasher, Kamala Swayampakala, Edna Arillo-Santillán, Ernesto Sebríe, Katrina M Walsemann, Matteo Bottai

## **Abstract**

**Objective.** To assess the impact of Mexico City and federal smoke-free legislation on secondhand tobacco smoke (SHS) exposure and support for smoke-free laws.

**Material and Methods.** Pre- and post-law data were analyzed from a cohort of adult smokers who participated in the International Tobacco Control (ITC) Policy Evaluation Survey in four Mexican cities. For each indicator, we estimated prevalence, changes in prevalence, and between-city differences in rates of change.

**Results.** Self-reported exposure to smoke-free media campaigns generally increased more dramatically in Mexico City. Support for prohibiting smoking in regulated venues increased overall, but at a greater rate in Mexico City than in other cities. In bars and restaurants/café, self-reported SHS exposure had significantly greater decreases in Mexico City than in other cities; however, workplace exposure decreased in Tijuana and Guadalajara, but not in Mexico City or Ciudad Juárez.

**Conclusions.** Although federal smoke-free legislation was associated with important changes smoke-free policy impact, the comprehensive smoke-free law in Mexico City was generally accompanied by a greater rate of change.

## **Recommended Citation:**

Thrasher JF, Swayampakala K, Arillo-Santillan E, Sebríe E, Walsemann KM, Bottai M. Differential impact of local and federal smoke-free legislation in Mexico: a longitudinal study among adult smokers. *Salud Publica Mex* 2010;52 Suppl 2:S244-53.

**Link to PDF:** <http://www.ncbi.nlm.nih.gov/pubmed/21243195>