## Homicides increased variation of Lifespans: The impact of the War on Drugs in Mexico, 2005-2015

José Manuel Aburto & Hiram Beltrán-Sánchez



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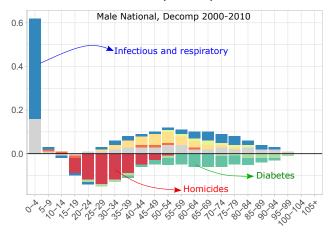
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- ► This region has the **highest** homicide rate in the world (16.3 per 100,000).
- ► Central American countries upsurge in homicides in the new century.
- ► In Mexico, rates doubled between 2007 and 2012 (9.3 —> 18.6).

#### As a result

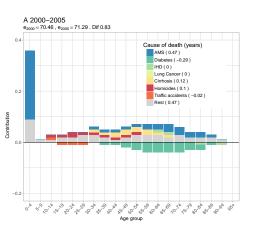
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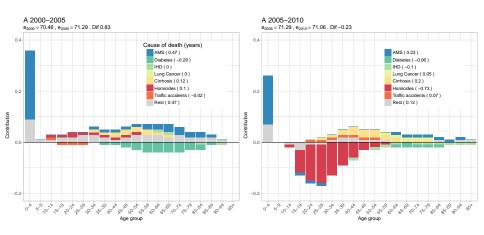
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### 10y before and after war on drugs and universal healthcare reform



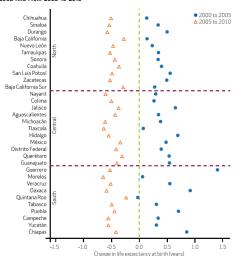
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#### At the subnational level

Changes In Male Life Expectancy At Birth In Mexico, By State And Period, From 2000 To 2005 And From 2005 To 2010



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# Wiped out by the increase of homicides after 2005 in each of the 32 states in Mexico

### Why lifespan variation

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- ► State of vulnerability

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- 8. Rest.

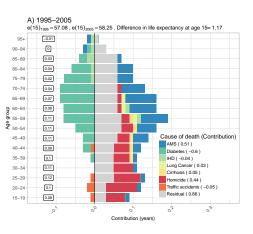
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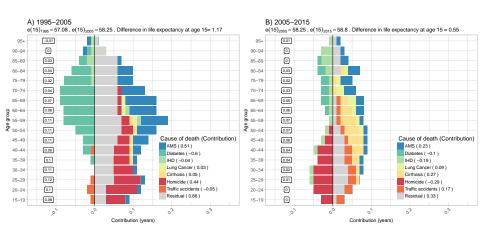
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- Separate ages that decrease from those that increase.
- Conditioned to age 15 to capture the onset of violence.

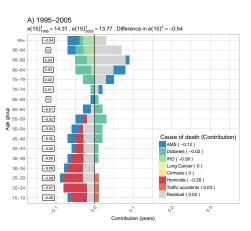
### National life expectancy



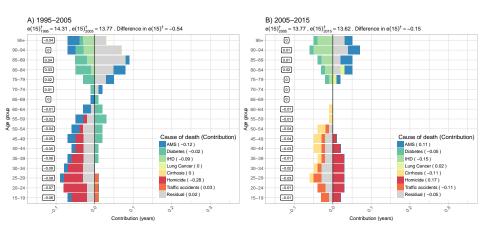
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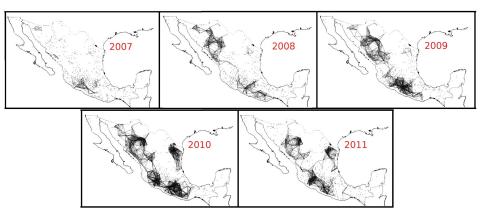
### National lifespan inequality



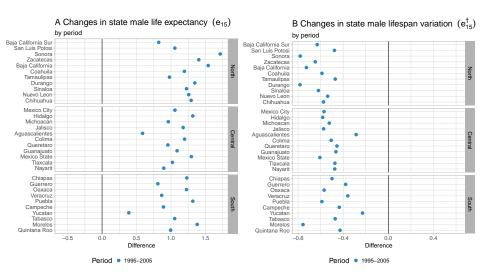
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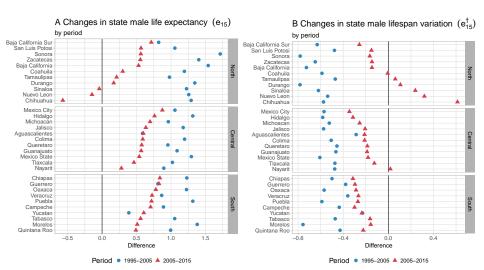
#### Homicides not evenly shared across Mexico



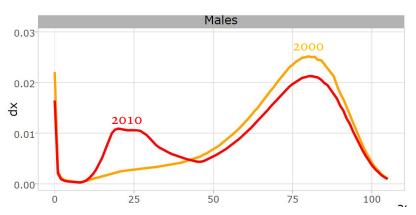
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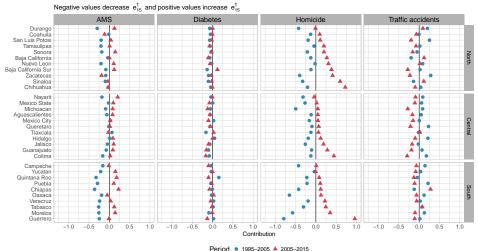


### Chihuahua (Bordering with Texas): Rates 3 times those of US troops in Iraq between 2003 and 2006!

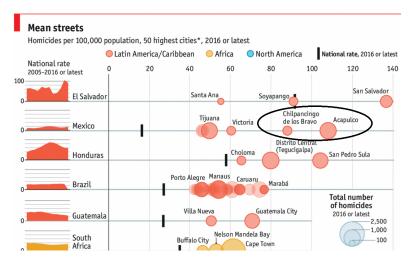


#### Cause-specific results

Cause–specific contributions to the change in lifespan variation at age 15  $\left(e_{15}^{\dagger}\right)$ 



# 2 of most dangerous cities in the world in 2016 in this state (The Economist)!



## International Perspective

$$\sim 2,000,000$$

 $77\%_{\text{Men}}$ 

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- ➤ Young males in Mexico **live less**, on average, and **face more uncertainty**.
- ► Ongoing violence in Mexico urgent priority.
- Comprehensive evidence-based strategies are needed.
- ► Other countries in LAC might be experiencing similar **detrimental** consequences.

#### Challenge of Mexico: Reducing violence

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<https://demographs.shinyapps.io/LVMx\_15\_App/>

