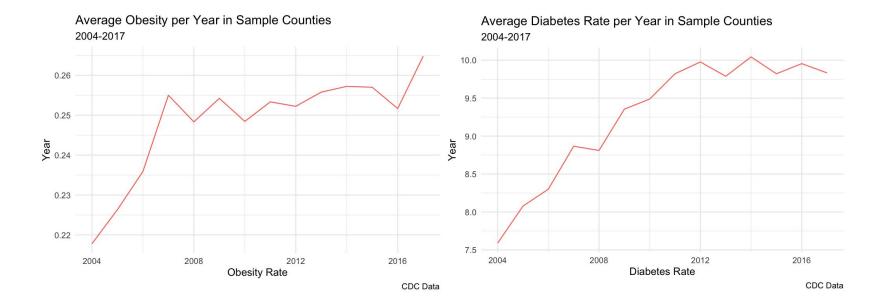
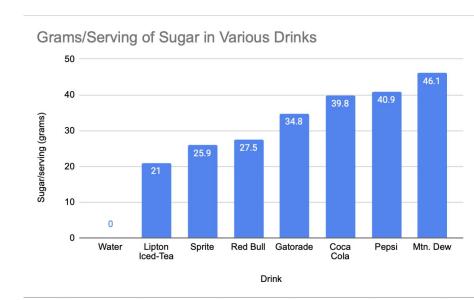
Sugar Tax in Philadelphia

Daniel Bandler



What is the sugar tax?

- 1.5¢ per oz (+18¢ per can, +\$1 for a two liter)
- All artificially sweetened beverages (including Diet)
- Pigouvian tax
- Began January 2017



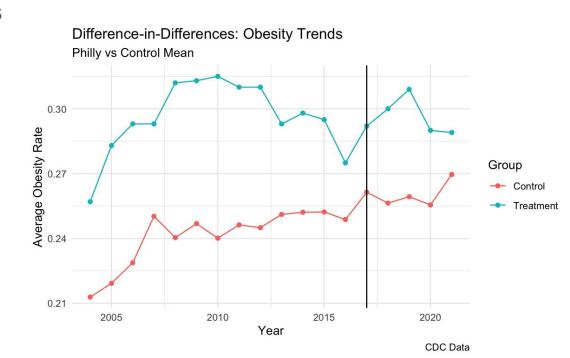
Literature

- Americans: 10-15% of calories from soft drinks
- 2 Years after implementation, Philadelphia saw a 50% reduction in taxed beverage sales relative to control
 - (16% increase in supermarkets bordering Philadelphia)
 - No studies on health effects conducted in Philly—this analysis aims to fill that gap
- Other locations: 0-3% reduction in obesity in jurisdictions with sugar tax

Health Effects

DiD: Robust 2 p.p. decline in Obesity vs Control

- Parallel pretrends is dubious
- Diabetes insignificant

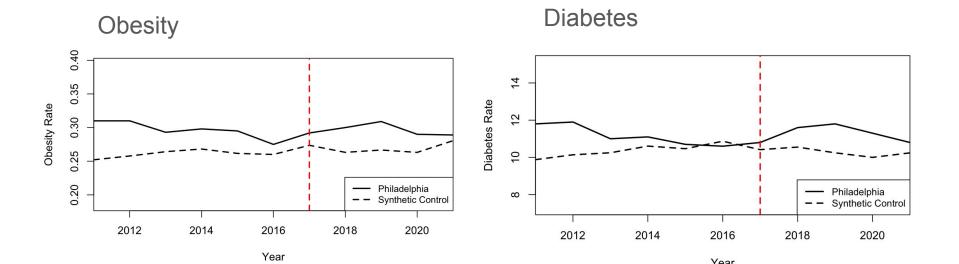


Health Effects cont.

Synthetic Control:

Main weights: Brooklyn, Bronx, Baltimore, and New York; per capita income

The synthetic control matched pre-treatment trends, however there was no divergence post-2017



What does this mean?

No measurable improvement of health outcomes in Philadelphia after the sugar tax.

- Health indicators are lagged
- Effects may be demographic-specific
- Null result does not mean policy failure
 - Tax has been shown to reduce consumption
- Not a silver bullet for promoting healthy lifestyles