



Advancing Science
& Practice in the
Retail Environment

The built environment for tobacco

Retailer density, proximity, and strategies to reduce availability

Todd Combs, Veronica Chaitan | May 11, 2021



STANFORD PREVENTION
RESEARCH CENTER
the science of healthy living



Washington
University in St. Louis



Center for Public Health
Systems Science
Brown School



GILLINGS SCHOOL OF
GLOBAL PUBLIC HEALTH

Tobacco retail environment



Advertising and promotion



**\$8.2
billion**



Retail tobacco policies

- Examples
 - Tobacco retail license
 - License cap
 - Retailer buffer
 - Restrict product availability
 - Tobacco 21



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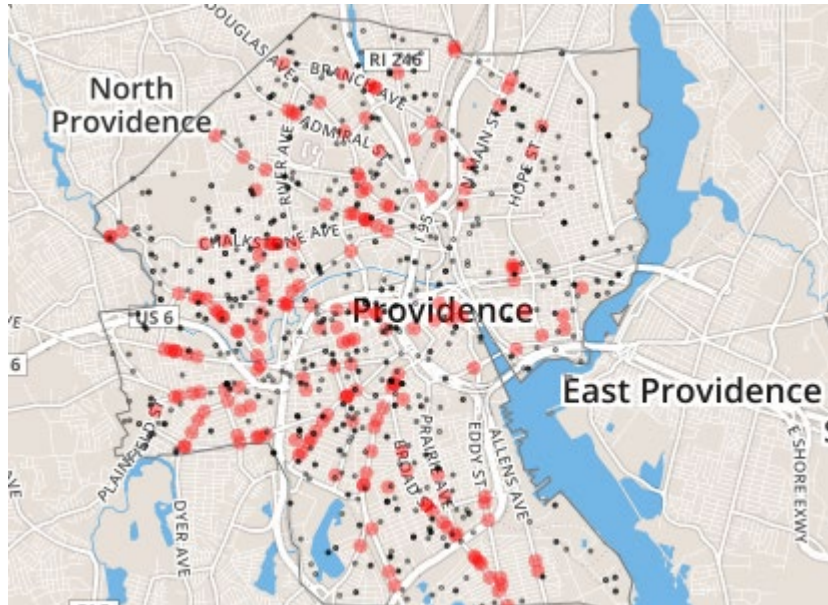
- Outcomes

- Increased distance to retailer
- Increased distance to product
- Increased time to retailer
- Increased costs



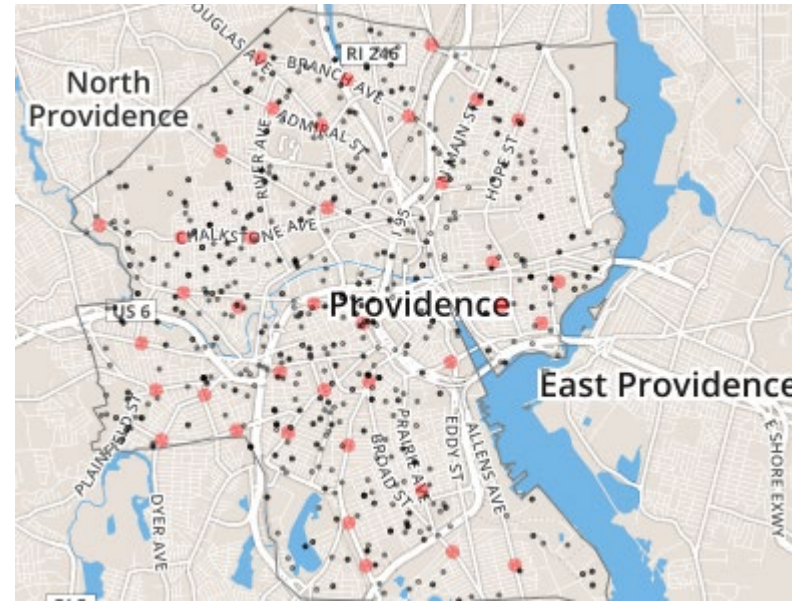
Measuring retailer density & proximity

Baseline: Density: **9.7/mi²**



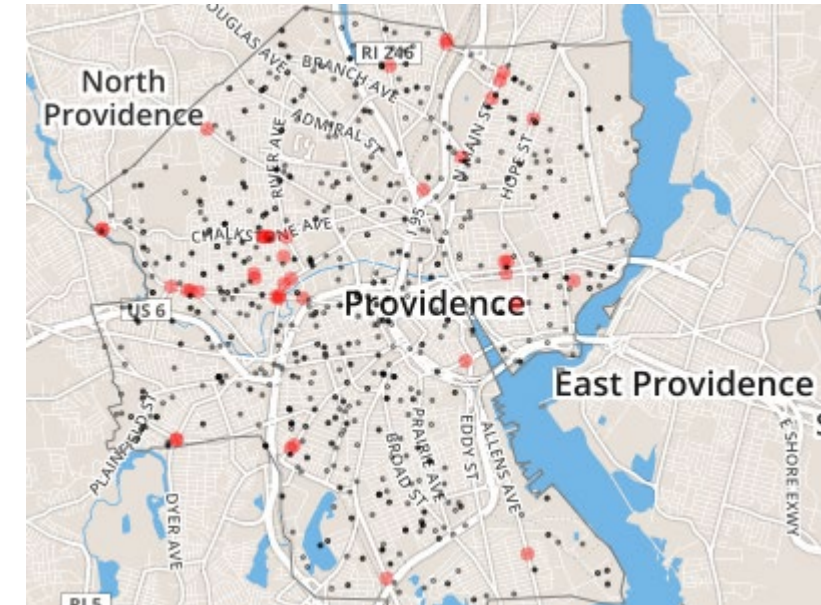
Avg Proximity: **0.16 mi**

R2R-2K: Density: **1.8/mi²**



Avg Proximity: **0.27 mi**

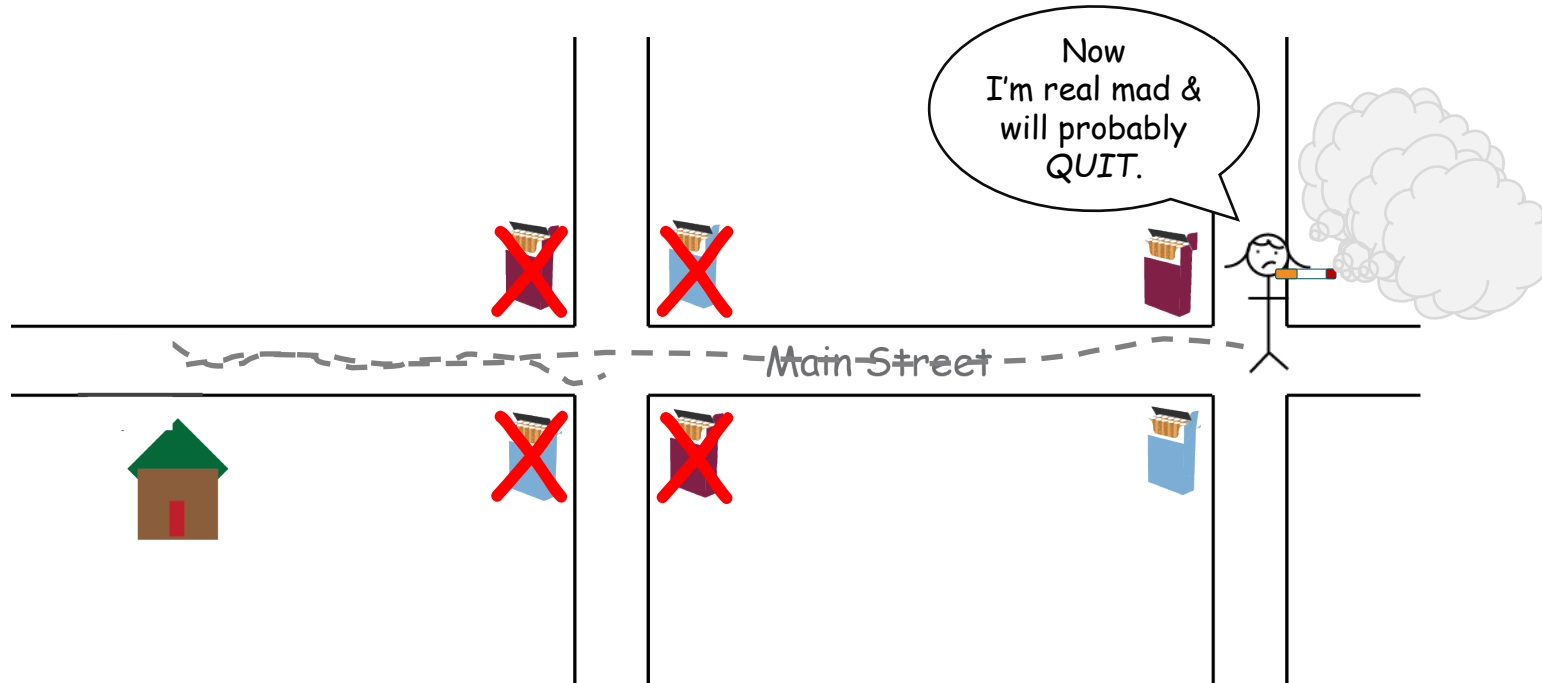
School-2K: Density: **2.0/mi²**



Avg Proximity: **0.45 mi**

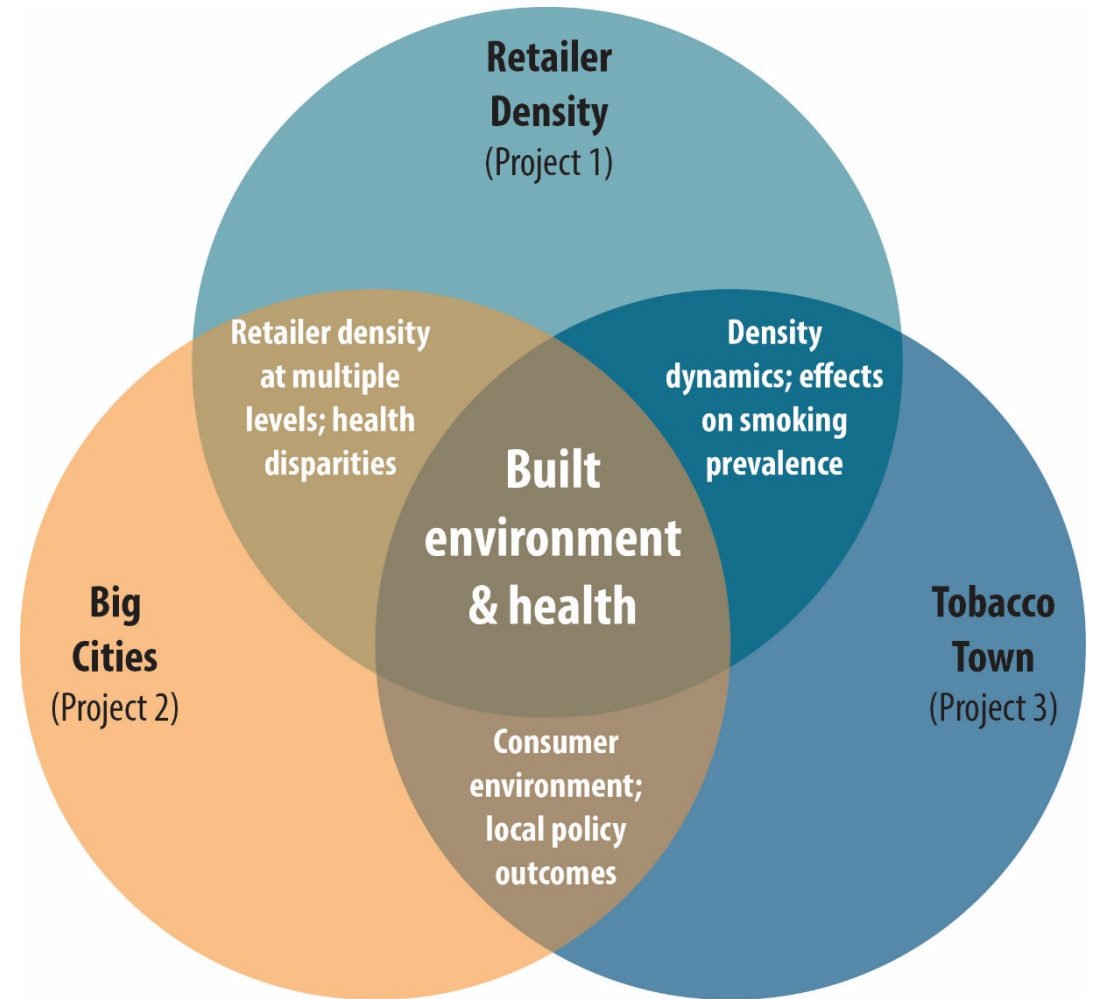
Avg Proximity = median distance from resident to nearest retailer

Thinking about retailer density & proximity



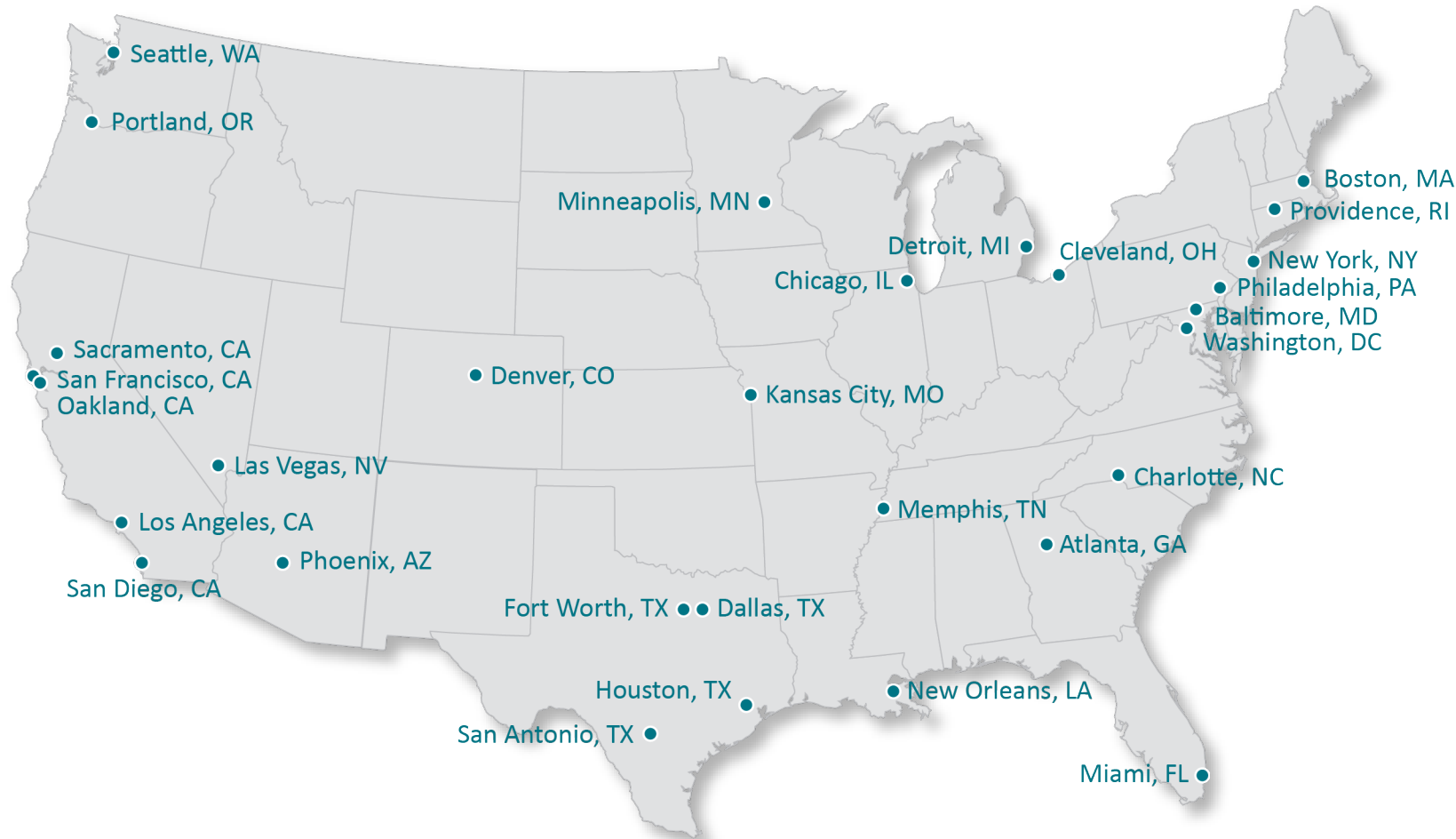
ASPiRE

- **Goal:** *to build a rigorous, scientific evidence base for effective tobacco control in the retail environment to reduce the public health burdens of tobacco use*
- 3 research projects
- 3 support cores
 - Administrative core
 - Data core
 - D & I core



ASPiRE Community Advisory Board

30 Big Cities



Organizations



Tobacco Swamps Dashboard

Helpful URLs

- **The ASPiRE Center:** <http://aspirecenter.org/>
- **Tobacco Swamps Dashboard:** <https://aspirecenter.org/tobacco-swamps/>

Contact us

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ASPiRE Project 3: Tobacco Town

Leaders: Douglas A. Luke and Ross A. Hammond

