BASELINE REPORT: EVALUATION OF SEATTLE'S SWEETENED BEVERAGE TAX

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> City of Seattle Finance Committee August 8, 2018







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EVALUATION GOALS

RESEARCH QUESTIONS

COMPONENTS

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017-2020)	1. Determine tax impact on behaviors	 Do norms and attitudes around sugary beverage change? Do prices of taxed and untaxed beverages change? Do individual consumption and purchasing patterns change? 	?	1. 2. 3.	
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Baseline	2. Assess tax implementation	 How do key stakeholders perceive the tax? What are facilitators and barriers to implementation? 		4.	Stakeholder interviews & focus groups
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Begins 201	3. Assess unintended economic consequences	 Does the tax result in revenue loss for stores? Does the tax result in job loss? Do consumers begin to buy beverages outside of Seattle? 		•	Analysis of jobs and revenue data Analysis of supermarket sales data
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2018	4. Understand food security and access	 Assessment of food deserts in Seattle Assessment of the effectiveness and efficiency of food bank network in Seattle 		•	Food security maps Food hardship and food bank network assessment

Impact of beverage tax on norms and attitudes: Baseline results

Presented by Jesse Jones-Smith, PhD







Data Collection & Study Design

> Phone and web survey

- > Seattle and comparison areas chosen based on similar demographic characteristics (Minneapolis and DC Metro (Bethesda, Rockville and Arlington)
- > Quotas to achieve representation by race/ethnicity and to oversample lower income groups
- > Total sample
 - Seattle = 851
 - Comparison = 863
- > Results employ statistical weighting to be representative of each city



Tax Support

Perceived economic impacts of the tax

Perceived health impacts of the tax

Perceived healthfulness of sugary beverages

Sample Characteristics

	Seattle (N=851)	Comparison Area (N=860)
Race/Ethnicity		
Non-Hispanic white	66%	60%
Non-Hispanic Black/African American	7%	13%
Non-Hispanic Asian ⁴	15%	10%
Non-Hispanic Other ⁴	6%	5%
Hispanic	7%	12%
Age		
18-40 years old	41%	47%
41-64 years old	45%	39%
>65+ years old	14%	14%
Income Level Relative to Federal Poverty Line		
Lower Income: < 260% FPL	37%	46%
Higher Income: 260% FPL and above	63%	54%



Tax Support

58% approved of the tax as described

(51% among lower income & 62% among higher income)

Tax Health Impacts

58% believed tax will improve health and well-being of children (53% among lower income & 62% among higher income)
55% believed tax will improve public's health generally (47% among lower income & 60% among higher income)



Tax Economic Impacts

79% did not think that the tax would negatively impact their own finances

(69% among lower income & 85% among higher income)

53% did not think the tax would negatively affect small businesses

(48% among lower income & 55% among higher income)

Healthfulness of Sugary Beverages

82% thought that drinking sugary beverages causes serious health effects (77% among lower income & 85% among higher income)

Impact of the beverage tax on retail prices of sugary beverages: Baseline results

Presented by Jesse Jones-Smith, PhD







Study Design & Data Collection Tools

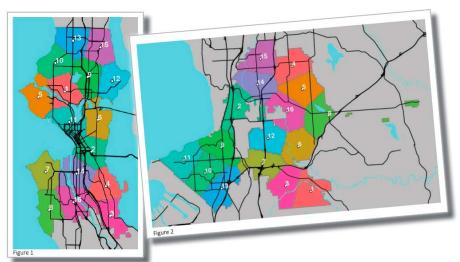
- > In-store audits of prices and promotions
- > Seattle and Comparison Area (Kent, Auburn and Federal Way)
- > Beverages
 - 25 types sugary drinks subject to the tax
 - 30 types of non-sugary drinks
 - 10 types of sugary drinks not subject to the tax
 - Sale price and regular price
- > Interior & exterior marketing
- > Price of some foods



Store Audits: Store sampling strategy

Geographically balanced sample with quota from different store types

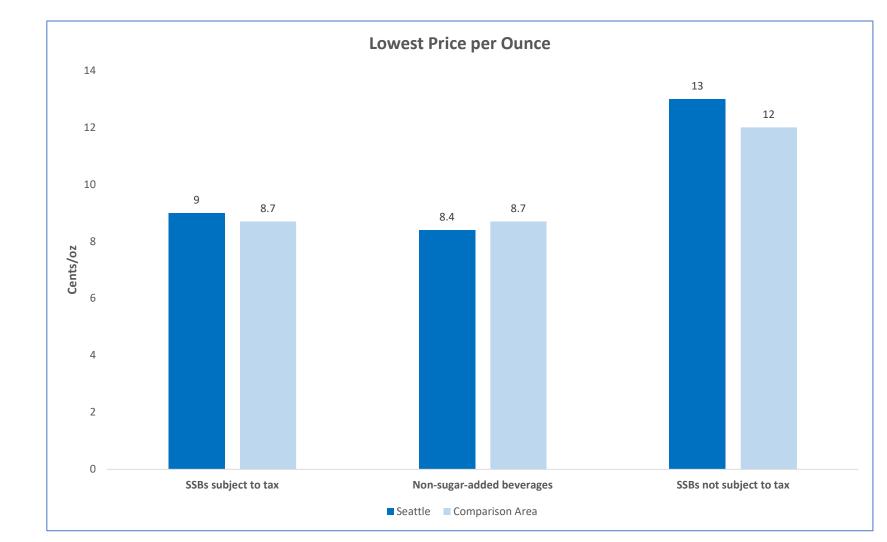
Seattle Kent, Auburn and Federal Way



	Actual Number			
Retail Type	Seattle	Comparison		
Superstore	12	13		
Supermarket	17	11		
Grocery ¹	33	14		
Small Stores ¹	71	80		
Drug store/pharmacy	17	13		
Quick service restaurant chain	16	30		
Quick service restaurant non- chain	31	45		
Coffee/bubble tea	29	26		
Total	226	232		

Store Audits: Baseline data—establish that Seattle and comparison area have similar prices of beverages

Key finding Prices of taxed and untaxed beverages were similar in Seattle and the comparison area



Examining Child Beverage Consumption and Diet Quality Changes Related to Seattle's Sugary Beverage Tax:

The Seattle Shopping and Wellness (SeaSAW) Baseline Data

Presented by Brian E. Saelens, PhD







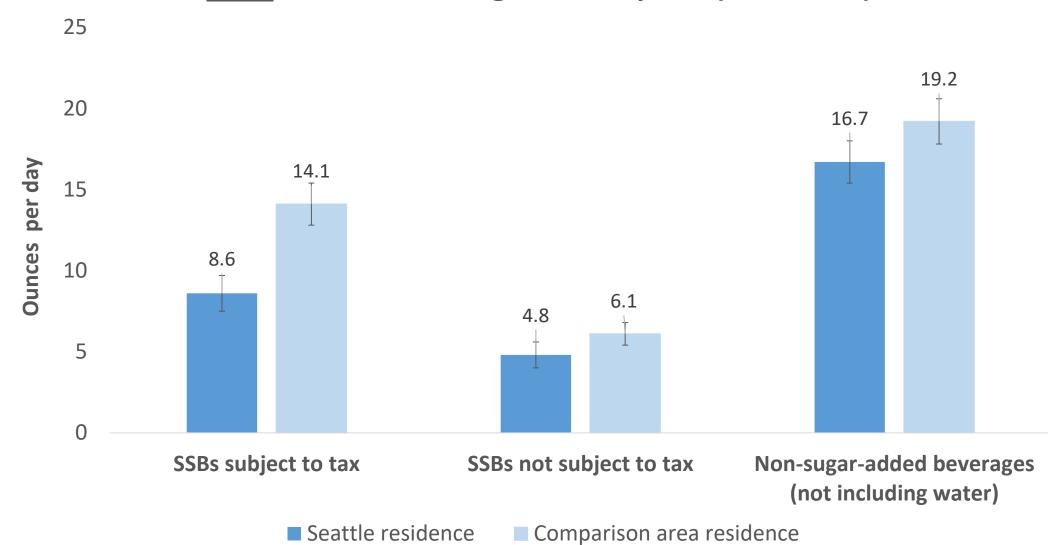
Data Collection Tools

Survey	Measure	# of Items	Completed By
Eligibility Screener	Eligibility	12	Parent and older child
Adapted Bev-Q (Child)	Child consumption of taxed and untaxed beverages (frequency & habitual volume)	20	Parent if child 7-10 years old Child if 12-17 years old
Adapted Bev-Q (Parent)	Parent consumption of taxed and untaxed beverages (including alcoholic beverages)	23	Parent
<i>Dietary Screening Questionnaire (DSQ from National Cancer Institute)</i>	Child dietary quality screener	30	Parent if child 7-10 years old Child if 12-17 years old
Household Information Survey	Demographics and other household information	29	Parent

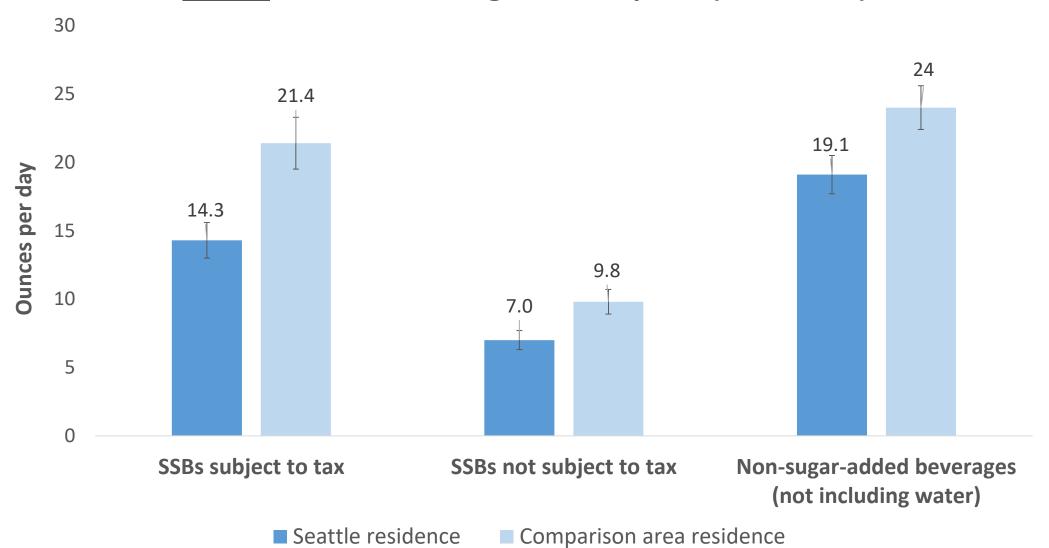
- Formats: online, by phone, on paper, on an iPad/smartphone, or in-person with a team member
- > Team members/community consultants enrolled and collected data in English, Spanish, Somali, Vietnamese
- > Families provided \$50 incentive for completing surveys

Sample Demographics

	City of Seattle residence	Comparison area residence
Sample size	n=271	n=256
Child age (years)	10.1 (0.2)	10.5 (0.2)
Child sex (%female)	49.1%	51.0%
Child ethnicity Hispanic/Latinx Child race	24.7%	27.7%
Non-Hispanic Black/African-American/African only	37.3%	27.0%
Non-Hispanic White only	16.6%	23.8%
Non-Hispanic Asian only	6.3%	5.1%
Non-Hispanic American Indian or Alaska Native only	0.4%	0.4%
Non-Hispanic Native Hawaiian or Other Pacific Islander only	0%	2.7%
Non-Hispanic Two or more races	11.4%	9.8%
Race/ethnicity not reported	3.3%	3.5%
Annual household income		
 <130% Federal Poverty level 	66.8%	47.3%
 130% - <200% Federal Poverty level 	12.9%	14.5%
200% - <312% Federal Poverty level	14.0%	26.6%
 Specific annual household income not reported 	6.3%	11.7%



<u>Child</u> Baseline Beverage Consumption (Mean ± SE)



<u>Parent</u> Baseline Beverage Consumption (Mean ± SE)

Pre-tax perceptions among city officials, consumers, and businesses

Presented by Nadine Chan, PhD, MPH

City staff (2) Elected officials (3)

Consumers

3 focus groups youth (23) 2 focus groups adults (20) Community organization serving lowincome and youth of color (1) Health advocacy organization (1) Business sector Distributors (1) Manufacturers with some self- distribution (2) Manufacturer exempt from SBT (1) Small ethnic/immigrant owned-retailers (3) Retail or restaurant association (2) 1 focus group of restaurateurs (12)

Perceptions we heard

Knowledge about SBT

- Councilmembers, distributors, and health advocacy organization were the most knowledgeable
- Support for tax varied
- All groups supported use of revenues for health-promoting activities

About SBT implementation

- Levels of communication about the tax varied
- More information desired

Perceived impact

- Businesses varied on whether to absorb/pass on the tax
- Some consumers anticipated they would be less inclined to buy or would consider crossborder shopping
- Negative impact on lowincome people and communities of color
- Positive impact through use of revenues for health and wellness

Next steps

Time of year	Evaluation activities
Summer 2018	 6 month data collection (store audit and child cohort) Food security and food bank network assessments
Fall 2018	 Mid-point evaluation report with findings from store audit and child cohort Report on food security and food bank network assessments 12 month data collection (store audit, child cohort, adult survey)
Winter 2019	 2019 Detailed Evaluation Plan
Spring 2019	 12 month evaluation report (store audit, child cohort, adult survey)

Acknowledgements

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- External scientific advisory committee
- Businesses, consumers, and city officials