

ICPSR 37143

**Impact of the NYC Sugar
Sweetened Beverage Policy on
Calories Purchased and
Consumed: Data on Fast Food
Purchases, Dietary Patterns, and
Retail Beverage Environments in
New York City, Newark, and Jersey
City, 2013-2014**

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P.I. Codebook for Point-of-Purchase Receipt
Data

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Impact of the NYC Sugar Sweetened Beverage Policy on Calories
Purchased and Consumed:
Receipt Data

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1 Data Description

Background: As part of a planned evaluation of New York City’s proposed soda portion cap policy, we collected receipts from fast food restaurant customers in New York City and two cities in New Jersey.

Sample and Data Collection: Data collection was conducted in teams of two data collectors, situated outside of each fast food venue in both cities. Data collectors were assigned locations and partners in advance. Data collectors approached individuals as they entered a fast food restaurant and notified them that if they provided their food or beverage purchase receipt, they would qualify for participation in a survey (receipts for gift cards, happy meal toys, or other non-food items did not qualify for participation). No identifying information was collected from the individuals during the survey, unless the individual agreed to the phone interview, in which case data collectors asked for the persons name. Teams went to each location for three hours (lunch time: 11:30 to 2:30; dinner: 4:30 to 7:30).

Data Structure:

These data can be combined with the point of purchase survey and dietary recall databases by merging on the receipt identifier (receiptID) variable. The data can be merged with the store environmental scans by merging with the NEMS location variable (nemslocationindicator). It is important to note that these data are stored at the receipt level, not the person level. Therefore each row is a single receipt.

2 Variable Description

2.1 List of Variables in the Point of Purchase Receipt Database

Table 1: List of Variables in the Receipt Database

Varlist	Variable Label	Variable Type
receiptID	Unique identifier	String - Categorical
Problemreceipt	Problem receipt?	String - Categorical
ReceiptDate	Receipt Date	Date
Itemsclearlymarked	Were the items on the receipt clearly marked?	String - Categorical
person_id	Person identifier	Numerical
Childoradult	Child or adult	String - Categorical
item_id	Item identifier	Numerical
food_id	Food identifier	Numerical
food_share	Food item shared?	Numerical-Categorical
food_price	Price of single version of food item	Numerical
food_category	Food item category	String - Categorical
food_quantity	Food item quantity	Numerical
comb_id	Combination meal identifier	Numerical
restaurant	Restaurant chain	String - Categorical
FoodName	Food Name	String - Categorical
CaloriesCal	Calories (Cal) for one food item	Numerical
Fatg	Fat (g) for one food item	Numerical
SatFatg	Sat Fat (g) for one food item	Numerical
Cholesterolmg	Cholesterol (mg) for one food item	Numerical
Sodiummg	Sodium (mg) for one food item	Numerical
Carbohydratesg	Carbohydrates (g) for one food item	Numerical
Sugarg	Sugar (g) for one food item	Numerical
Proteing	Protein (g) for one food item	Numerical
combnum	Combo number on receipt	Numerical
Priceofthecombomeal	Price of the combo meal	Numerical
Large	Large combination meal?	String - Categorical
round	Data collection round	Numerical

3 Statistics from Point of Purchase Receipt Sample

3.1 Summary Statistics

Table 2: Summary Statistics for Receipt Data

Variable	Mean	Std. Dev.	N
Price of single version of food item	2.01	1.89	20653
Food item quantity	1.29	1.01	29099
Calories (Cal)	320.08	238.4	26347
Fat (g)	12.7	12.31	26347
Sat Fat (g)	3.73	4.13	26347
Cholesterol (mg)	29.89	39.26	26347
Sodium (mg)	574.03	605.45	26343
Carbohydrates (g)	39.57	30.89	26347
Sugar (g)	12.97	19.83	26347
Protein (g)	12.7	14.52	26334
Combo number on receipt	1.08	0.32	8435
Price of the combo meal	6.60	2.22	8383

3.2 Frequencies - Point of Purchase Receipt Database

Itemsclearlymarked — Were the items on the receipt clearly marked?

		Freq.	Percent	Valid	Cum.
Valid	No	3056	10.50	10.59	10.59
	Yes	25795	88.65	89.41	100.00
	Total	28851	99.15	100.00	
Missing		248	0.85		
Total		29099	100.00		

Childoradult — Child or adult

		Freq.	Percent	Valid	Cum.
Valid	Adult	27284	93.76	93.76	93.76
	Child	1815	6.24	6.24	100.00
	Total	29099	100.00	100.00	

food_category — Food item category

		Freq.	Percent	Valid	Cum.
Valid	Beverage Extras	673	2.31	2.31	2.31
	Breakfast	165	0.57	0.57	2.88
	Burger	366	1.26	1.26	4.14
	Cold Beverage	3335	11.46	11.46	15.60
	Dessert	39	0.13	0.13	15.73
	Desserts	1318	4.53	4.53	20.26
	Extra	67	0.23	0.23	20.49
	Food Extras	1087	3.74	3.74	24.23
	French Fries	2	0.01	0.01	24.23
	Hot Beverage	626	2.15	2.15	26.39
	Hot Beverages	2	0.01	0.01	26.39
	Other-Entree	1439	4.95	4.95	31.34
	Salad	18	0.06	0.06	31.40
	Salads	228	0.78	0.78	32.18
	Sandwich	166	0.57	0.57	32.75
	Sandwiches	6344	21.80	21.80	54.56
	Side Item	4065	13.97	13.97	68.52
	Smoothies	81	0.28	0.28	68.80
	breakfast	40	0.14	0.14	68.94
	breakfast sandwiches	3	0.01	0.01	68.95
	:	:	:	:	:
	omelet on 6" flatbread	3	0.01	0.01	87.27
	omelet sandwich	2	0.01	0.01	87.28
	pizza	6	0.02	0.02	87.30
	popcorn chicken & bites	13	0.04	0.04	87.34
	pot pie, bowls, & value boxes	33	0.11	0.11	87.46
	salad	21	0.07	0.07	87.53
	salad dressing	33	0.11	0.11	87.64
	salads	69	0.24	0.24	87.88
	sandwich components	35	0.12	0.12	88.00
	sandwich condiments	8	0.03	0.03	88.03
	sandwiches	1751	6.02	6.02	94.04
	seasoning	2	0.01	0.01	94.05
	sides	336	1.15	1.15	95.21
	smoothie	27	0.09	0.09	95.30
	snack & sides	2	0.01	0.01	95.31
	snacks & sides	1080	3.71	3.71	99.02
	soup	40	0.14	0.14	99.15
	sweetener	211	0.73	0.73	99.88
	wings	14	0.05	0.05	99.93
	wraps	21	0.07	0.07	100.00
	Total	29099	100.00	100.00	

restaurant — Restaurant chain

		Freq.	Percent	Valid	Cum.
Valid	Burger King	4263	14.65	14.65	14.65
	KFC	2270	7.80	7.80	22.45
	McDonalds	11687	40.16	40.16	62.61
	Subway	9173	31.52	31.52	94.14
	Wendy's	1706	5.86	5.86	100.00
	Total	29099	100.00	100.00	

Large — Large combination meal?

			Freq.	Percent	Valid	Cum.
Valid	0	No	7995	27.48	95.65	95.65
	1	Yes	364	1.25	4.35	100.00
	Total		8359	28.73	100.00	
Missing	.		20740	71.27		
Total			29099	100.00		

food_share — Food item shared?

			Freq.	Percent	Valid	Cum.
Valid	0	No	28006	96.24	97.07	97.07
	1	Yes	844	2.90	2.93	100.00
	Total		28850	99.14	100.00	
Missing	.		249	0.86		
Total			29099	100.00		

Problemreceipt — Problem receipt?

		Freq.	Percent	Valid	Cum.
Valid	MISSING	7	0.02	0.04	0.04
	No	19199	65.98	98.78	98.82
	Yes	230	0.79	1.18	100.00
	Total	19436	66.79	100.00	
Missing		9663	33.21		
Total		29099	100.00		

round — Data collection round

			Freq.	Percent	Valid	Cum.
Valid	1	Round 1: January-April 2013	10107	34.73	34.73	34.73
	2	Round 2: August-November 2013	9660	33.20	33.20	67.93
	3	Round 3: January-June 2014	9332	32.07	32.07	100.00
	Total		29099	100.00	100.00	