

The Paradox of Abundance: Access to Healthy Food in Corona, Queens



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Why Food Access Matters in Corona

Corona is located in Western Queens, New York, and has been identified as having the highest number of eligible immigrants not participating in the Food Stamp Program in New York City. Once people are receiving Food Stamps, what kinds of foods are they able to access? This question is of concern because in largely immigrant, low-income neighborhoods like Corona, there is often limited availability and access to fresh, healthy food choices. Several statistics relevant to immigrants in the United States were taken into account. In 2003, nearly 2 in 5 immigrant families reported that their family was unable, because of financial constraints, to consistently obtain food of sufficient quantity or quality for an active and healthy life¹.

Indicator's for Corona's low-income status included: (1) Corona has a very diverse population. It is 65% Hispanic/ Latino, and 80% of its residents speak a language other than English at home. Foreign-born non-citizens represent 48% of all those in Corona living at or below 130% of federal poverty line, (2) the per capita income for all Corona residents is \$12, 412, and (3) Corona has the highest percentage of students (88%) in Western Queens who are eligible for free and reduced priced lunch². Low-income communities like Corona often have limited availability and access to fresh, healthy food choices.

In this community, Ecuadorians and Dominicans are most highly represented³. According to a report by the California Endowment in 2005, Latinos and children in the U.S. suffer more than other groups from poor nutrition due to environmental factors linked to obesity, diabetes, and heart disease. Such environmental factors include limited access to supermarkets and farmer's markets, limited activity, and the excessive consumption of high-fat, high-calorie, low-nutrient foods and soft drinks which people tend to fill up on when small paychecks and food stamps run out. Moreover, a survey of New York City children found Hispanics have the highest rate of obesity at 31%.⁴ A crucial way in which the health issues mentioned can be prevented or controlled is through convenient access to healthy and affordable food. This can lead to an improved quality of life, such as the ability for children to be able to concentrate better in school and a decrease in the incidence of chronic disease.

Corona's low-income status and it being home to several minorities, led FoodChange to conclude that Corona's population may be food insecure. In order to gain a greater understanding of the availability and accessibility of food to the residents of Corona, FoodChange in coordination with the Congressional Hunger Center conducted a community food assessment. In effort to capture the existing food system in Corona and to highlight the concerns of the community members, FoodChange created a 7 minute documentary that complements this report.

Community Food Assessment Goals and Guiding Questions

CFA Goals:

To increase awareness about the existing food system in Corona, highlighting healthy food availability in bodegas, supermarkets, and restaurants.

We would also like to build community alliances in the process, particularly if other local community organizations are working on similar food access/health issues.

CFA Conceptual Questions Addressing Assets and Barriers

- Do Corona residents have access to healthy and affordable food?
- How many food stores and restaurants are in Corona? What is available at these stores?
- What are the barriers to providing fresh, affordable produce to Corona? What actions might be taken to overcome these barriers?

The Food Survey Process

(See Appendix I for actual Food Survey)

With a team of 12 volunteers, a food survey was conducted at 88% of Corona's 345 food establishments⁵. There are two parts to the survey; the first part is specific to restaurants and was adapted from a community food assessment conducted in Red Hook, Brooklyn. This section inquires about fried vegetable options and non-fried vegetable options. The second part of the survey is specifically for food stores (bodegas, supermarkets, etc) and was adapted from the New York City Department of Health and Mental Hygiene's community food assessment in North and Central Brooklyn⁶. This second part of the survey asked about the price and availability of specific foods and storefront advertisements. A unique feature of the food survey is that it was culturally-appropriate for Corona's diversity since it contains a section that asks about ethnic food options and advertising in a language other than English.

Food Survey Results

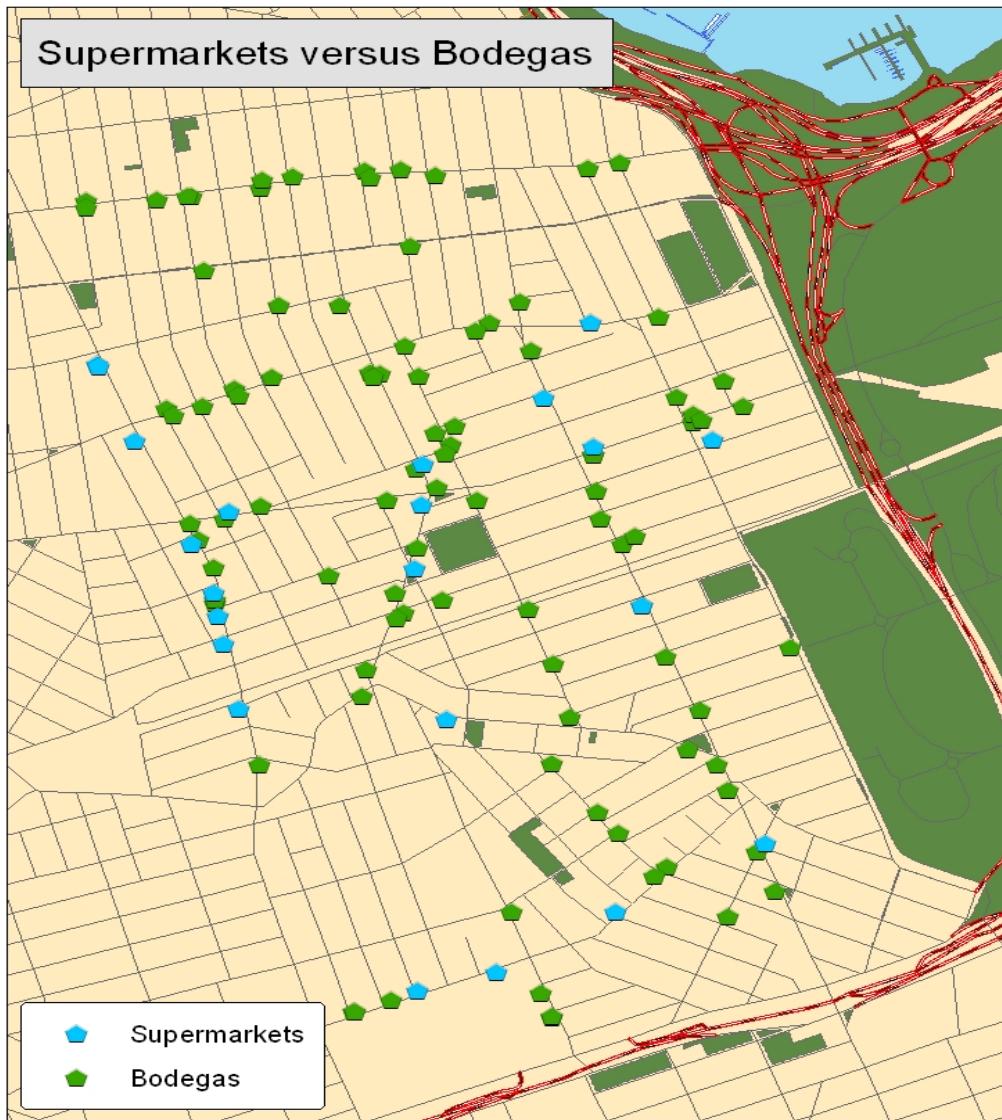
Bodegas vs. supermarkets

In Corona, bodegas are the most common food store. Food stores include bodegas, supermarkets, specialty stores, drug stores, and gas stations, but do not include restaurants. Of all the food stores, bodegas make up 63%, while supermarkets make up only 14%.

Table 1: Bodegas vs. supermarkets, does not include restaurants

	Bodegas	Supermarkets	Specialty	Drug Stores	Gas Stations	Other	Total
Corona	95 (63%)	21 (14%)	19 (13%)	8 (5%)	1 (1%)	8 (5%)	152 (100%)

Map 1: Bodegas vs. supermarkets in Corona, Queens



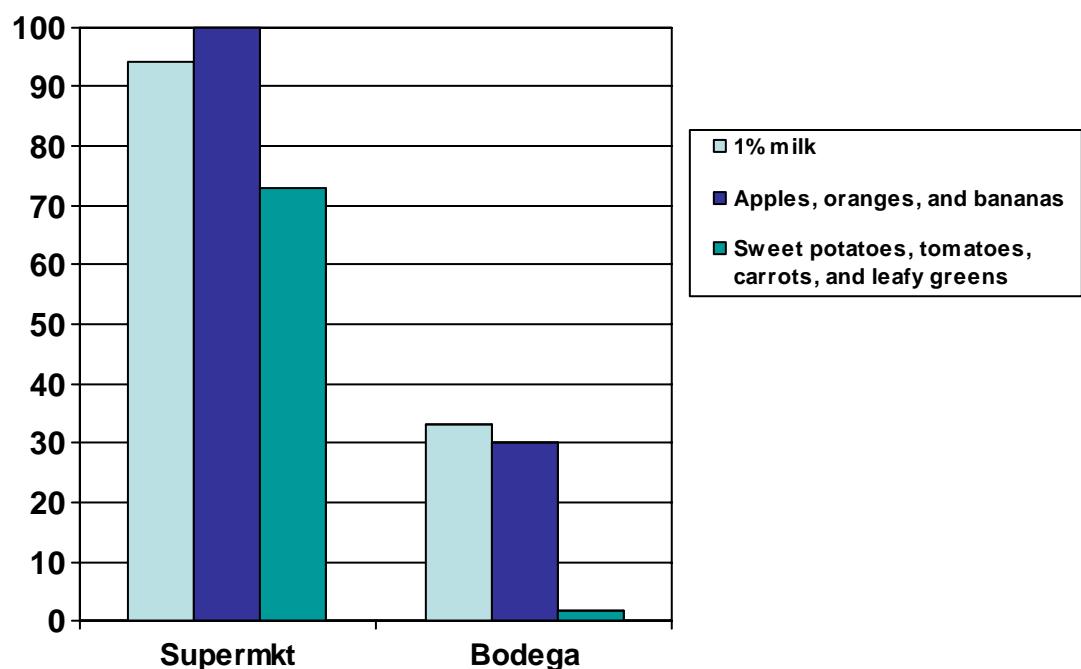
Milk options in bodegas and supermarkets

All of the supermarkets and 91% of the bodegas carry milk, but only 48% of the bodegas that sell milk carry a 1% milk option; whereas, almost all (94%) of supermarkets offer a 1% milk option. However, of the stores that carry milk, 100% of both bodegas and supermarkets carry whole-milk. Moreover, milk is slightly cheaper in supermarkets than in bodegas.

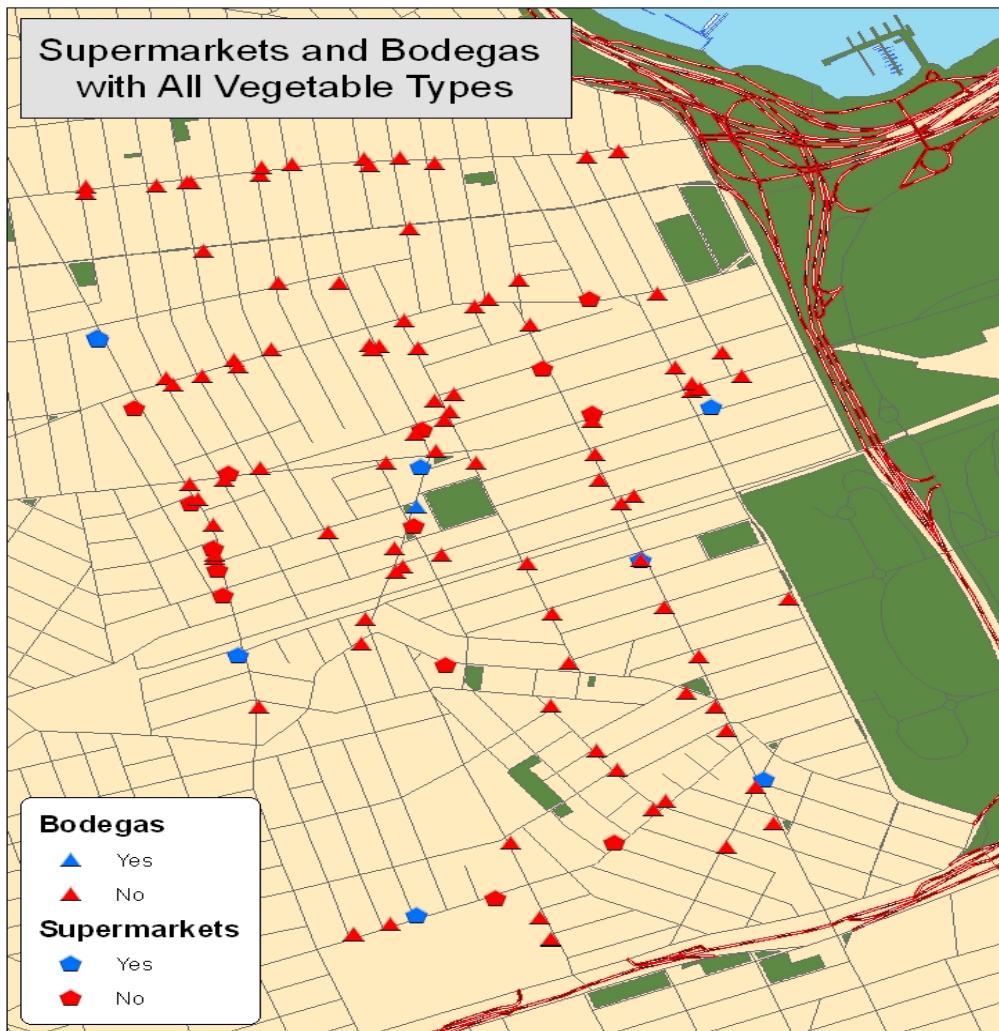
Fruits and vegetables in bodegas and supermarkets

Of the most common fruits (apples, oranges, and bananas), only 30% of the bodegas carry them all. 100% supermarkets offered all three varieties. 100% supermarkets and 83% bodegas carry at least one type of vegetable; however only 2% bodegas offer sweet potatoes, tomatoes, carrots, and leafy greens; whereas 73% supermarkets carried all 4 varieties. This highlights the gap in food availability in Corona, particularly in the bodegas.

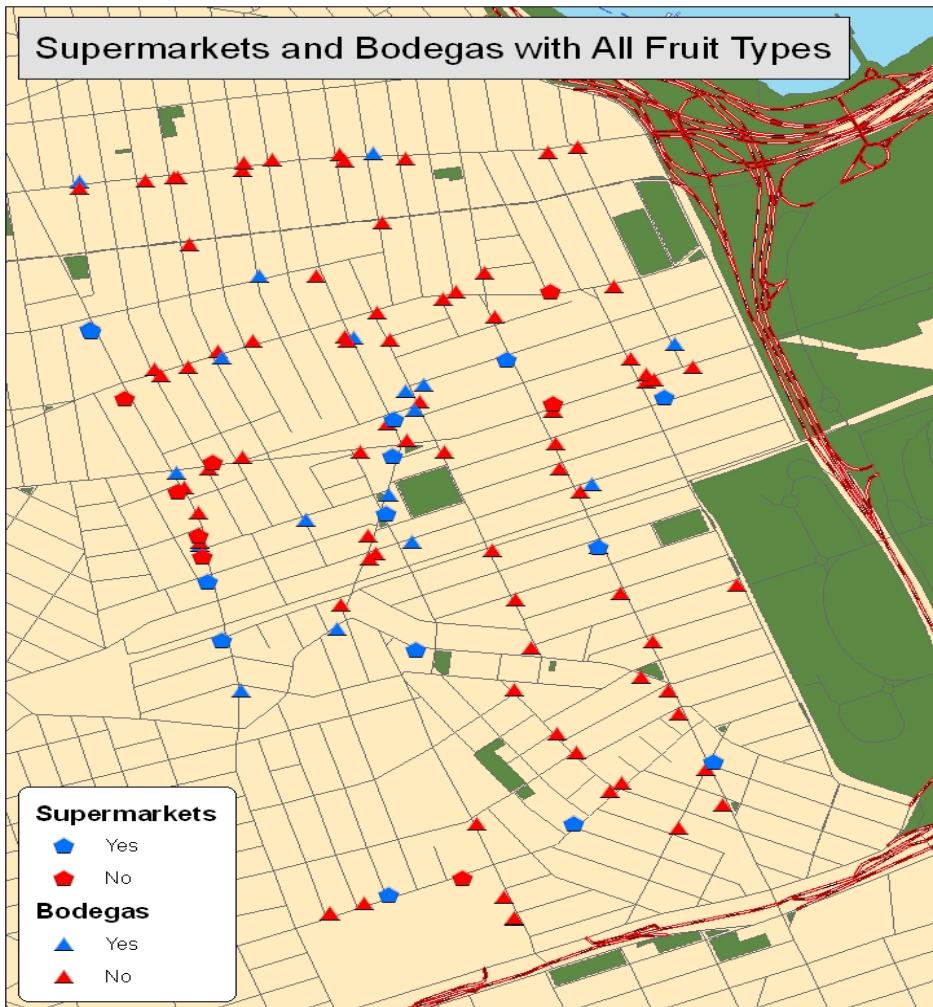
Graph 1: **Bodegas in Corona, Queens offer fewer healthy options than supermarkets**



Map 2: Vegetables in bodegas and supermarkets



Map 3: Fruits in bodegas and supermarkets



When Corona bodegas carry fruit, it is of poorer quality than what is sold in supermarkets. This was determined through the rating scale that was used when volunteers filled out the survey (1=fresh, premium quality, 2, 3, 4, 5=poor quality).

Other food options in bodegas and supermarkets

Other food options in bodegas and supermarkets include regular rice, brown rice, beans (dried and/or canned), and eggs. Most bodegas and supermarkets sell rice and beans; but only 3% of bodegas, while 63% of the supermarkets sell brown rice. Brown rice should be an option available because brown rice is higher in fiber and nutrients than regular rice.

Table 2: Other food options in bodegas and supermarkets

	Bodegas	Supermarkets
Regular Rice	91%	100%
Brown Rice	3%	63%
Beans (dried or canned)	91%	100%
Only canned beans	14%	35%
Only dried beans	3%	30%
Eggs	79%	94%

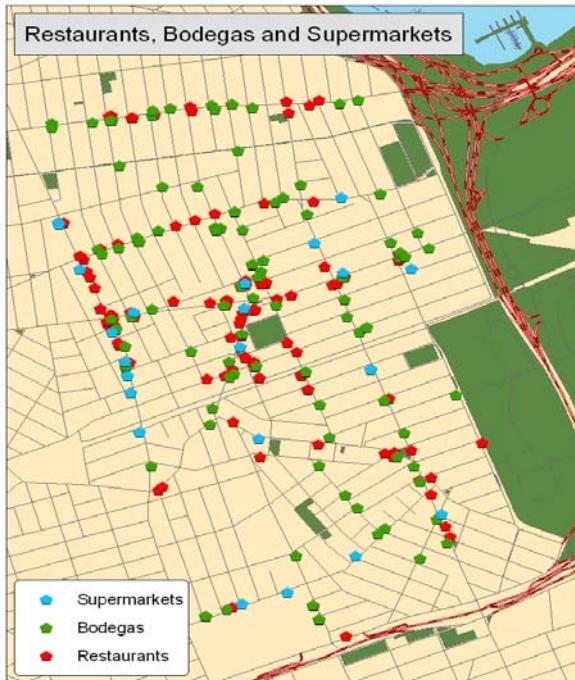
Restaurant options

Restaurants make up close to half of all the food venues in Corona, which adds up to more than all of the bodegas and supermarkets combined. This predominance of restaurants is important when considering Corona's food system because restaurants often carry less-healthy food options such as fried foods and are usually very quick and affordable options. Of the 148 restaurants in Corona, about 56% offer a non-fried vegetable option, and about 80% offer fried vegetables.

Table 3: All food establishments in Corona= food stores + restaurants

	Restaurants	Bodegas	Supermkt	Specialty	Drug Stores	Gas Stations	Other	Total
Corona	148 (49%)	95 (32%)	21 (7%)	19 (6.3%)	8 (2.6%)	1 (.3%)	10 (3.3%)	302 (100%)

Map 4a: Restaurants, Bodegas, and Supermarkets



Map 4b: Restaurants



Latin American restaurants are the most common type of restaurant as compared to Chinese, fast-food, pizza, Italian, and other. These restaurants in order from highest to lowest frequency include Mexican, Dominican, Colombian, Ecuadorian, Cuban, Peruvian, and Brazilian.

Table 4: Types of Restaurants in Corona

	Latin American	Chinese	Fast Food Chain	Pizza	Italian	Other	Total
Corona	57 (39%)	18 (12%)	11 (7%)	7 (5%)	2 (1%)	53 (36%)	148 (100%)

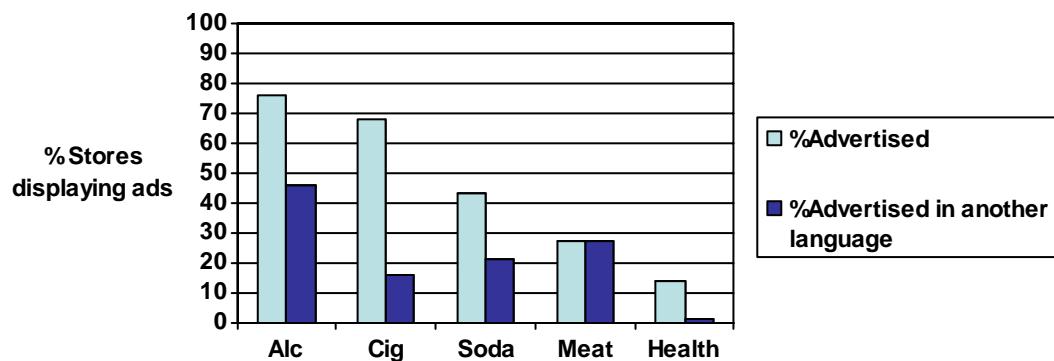
Storefront Advertisements

In Corona, 87% of the storefronts feature ads, the most common ads being for unhealthy products such as alcohol (76%) and cigarettes (68%). Smoking is the leading cause of preventable death in NYC and the cause of many illnesses including heart disease⁴ and nearly 7 in 10 smokers in Western Queens are trying to kick the habit. Health promotion ads are rare, and ads for healthier products such as water and milk were not reported.

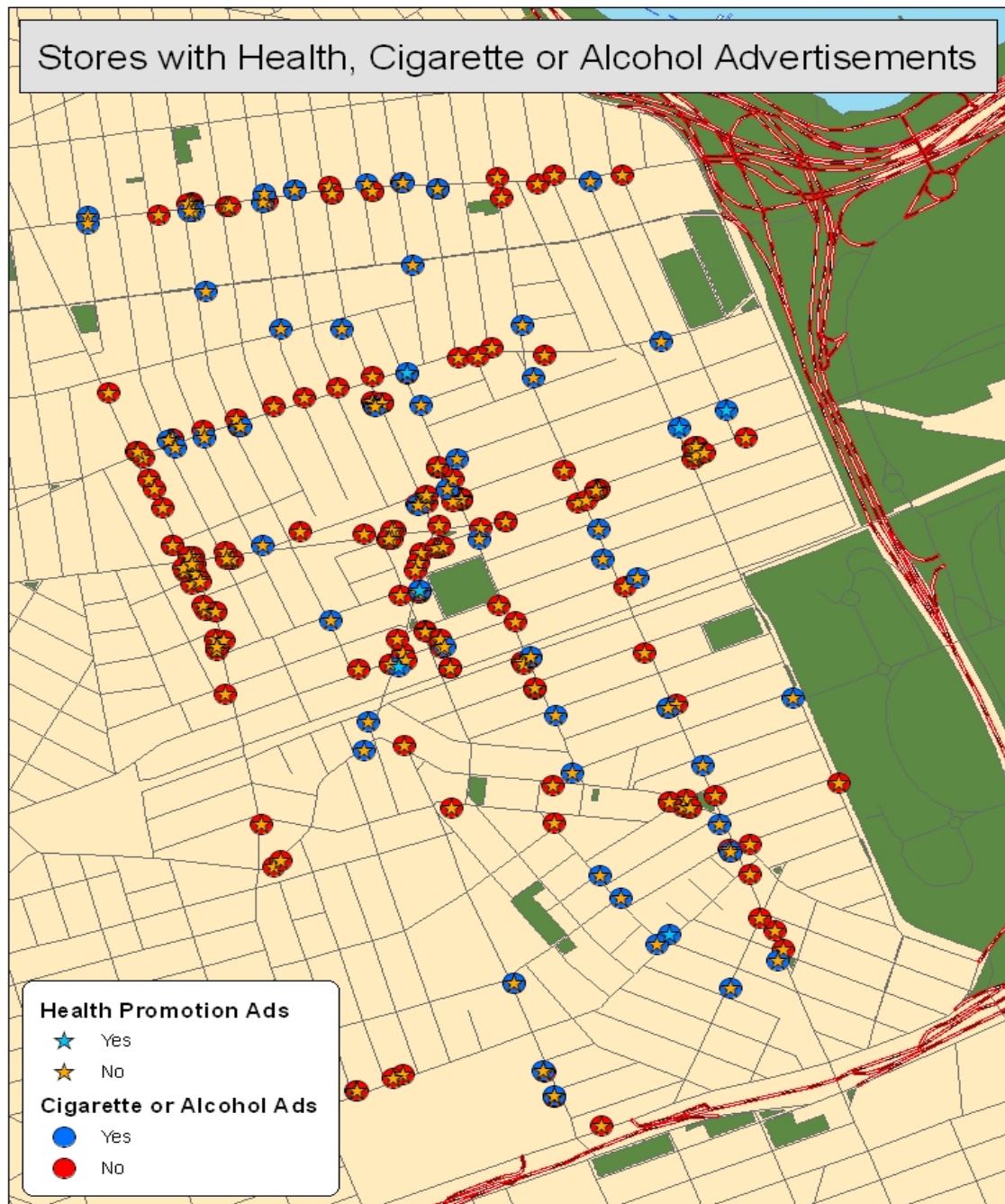
Alcohol also has the highest number of ads in another language (46%). When a language was identified, Spanish was identified in 99% of the cases. Given Corona's large Spanish-speaking population (65%), Spanish ads can have a significant impact on what Corona residents buy

Graph 2:

More Advertisements for alcohol and cigarettes, healthier ads are rare



Map 5: storefront ads near public schools



Food Survey Limitations

Community involvement was limited because much of the time for the assessment was dedicated to the completion and analysis of the survey. Future assessments should focus on extended engagement of the community.

The lack of training provided for the volunteers was a limitation in this study. Although there were data quality checks, there was still some missing data, which could have impacted the results. In addition, if more training would have been provided, the subjectivity of certain questions could have been reduced (e.g. the produce ratings were assigned used a rating scale).

Since many of the storeowners only speak Spanish, a paragraph in Spanish was provided to the volunteers to show the storeowners what the community food assessment entailed, but this still caused some confusion for both the owners and the volunteers.

Involvement in the Corona Community

Despite the limited community involvement mentioned earlier, there were some meaningful interactions with members of the community that led to important insights and solutions to be considered. This involved a focus group, a meeting, and interviews in Corona.

Focus Group

A focus group of 10 participants was held in the Corona MHRA Neighborhood WIC site, where a CookShop® (FoodChange program) class takes place to teach the mothers about healthy cooking and eating strategies. These were the main findings:

- 2/3 of the participants regularly cook meals at home
- Prefer to use vegetables to cook
- Would not necessarily buy healthier options in restaurants, but would at food stores
- Bodegas are more expensive than supermarkets and lower quality
- Two participants travel to nearest Farmer's Market in Jackson Heights (not convenient in terms of location from Corona)
- Two participants mentioned traveling to Bronx supermarkets
- Would buy fresh fruits and vegetables if they were available

The participants came up with some solutions to improve the Corona food system:

- Bring in a Farmer's Market
- More money in Food Stamp benefits
- Cheaper prices at bodegas and supermarkets
- Fresh fruits and vegetables should be available

Meetings and Interviews in Corona

The meeting with community leaders helped to describe ways in which people obtain food, and problems such as the lack of fresh produce were discussed. These leaders were representatives from the local government and the Human Resources Administration, and several local service providers. The solutions provided included the need for nutrition education, a Farmer's Market, and fresher fruits and vegetables in bodegas.

At an interview, the Cardiologist at Elmhurst Hospital spoke about the rising rates if heart disease and diabetes deaths in Corona. His solution is to educate Corona residents. This was also the solution provided by the District Manager of Community Board 4 (encompasses Corona).

Recommendations and Action Steps

- Farmer's Market
- Since Latino restaurants have a high representation, healthy eating strategies should take these local restaurants into account. For example, better oils, food labeling and smaller portion sizes can be encouraged.
- FoodChange's CookShop for Adults program in Corona is currently taking place, and will hopefully aid in providing nutrition education for Corona residents.
- FoodChange and other organizations working on food security should partner with the Department of Health's 1% Milk Campaign in order to provide incentives for bodega owners to bring in low-fat milk and healthier products in efforts to increase demand for these healthy foods and to give low-income communities better options.
- Queens Museum of Art's "Heart of Corona Initiative." In this two-year initiative, which will begin Spring 2007, there is a health and nutrition component. The museum will create a cookbook, provide free health screenings, and work with several nonprofits to improve the residents' health. FoodChange is partnering with the museum to provide this report in addition to the documentary, in order to illustrate this as proof of the need for better food and health in Corona. The Queens Museum of Art plans to follow through with the recommendations outlined in this assessment in order to create a healthier Corona.

Discussion/ Conclusion

Overall, this community food assessment found that bodegas tend to sell fewer options at inflated prices in comparison to the wide variety of choices in supermarkets, which are less conveniently located. One critical reason to consider for the lack of healthier produce at affordable prices in bodegas is that bodega owners do not think healthier options will sell. This lack of demand or, perceived lack of demand for healthy food, causes bodega owners to inflate prices, and/or not to sell healthier food. Moreover, the existing prevalence of non-healthy advertisements around every public school in Corona creates a negative impact on what children and residents buy, which can also lead to future health problems. Restaurants are also a central piece of the Corona food system, since they make up about half of all food establishments. Working with these restaurants to provide food labeling and encouraging smaller portion sizes can have a positive impact on the health of Corona residents. Through the other recommendations discussed above such as bringing in a Farmer's Market, providing nutrition education, and creating marketing incentives for bodegas owners, Corona residents will be given the choice to healthier food access.

Although this assessment focuses on Corona's food system, the lack of healthy and affordable food is not a new phenomenon in several low-income, predominantly minority communities. We believe that the supplementary documentary highlights this need for food justice everywhere. It is an important addition to this assessment, which can be used to create awareness nationwide.

Appendix I: The Food Survey

Corona Food Assessment			
<p>For Assessors - Please identify yourself to the store/restaurant manager/staff as a FoodChange volunteer and provide the following information: Hello, I am working as a volunteer for FoodChange and we're doing an assessment of every food store and restaurant in the area to learn about food availability in Corona, New York. We are not here to do a health inspection. If you don't mind, I'd like to take a few minutes and record the prices of some food, and some of the posters you have up. If you don't want us to do the assessment in your store, just let me know, and we'll leave. Thank you very much for your time.</p>			
Assessor Name(s):	Date:		
Store Name:	Time assessment began (after permission):		
Address (get from license posted in store):	Days/Hours of operation:		
Cross Streets:			
Store Status: <input type="checkbox"/> Open <input type="checkbox"/> Closed <input type="checkbox"/> Refused (Please explain why you were refused)			
1. Is this establishment a Restaurant /Cafeteria?			
<input type="checkbox"/> Yes → Type of food?: (pizza, Chinese, Jamaican, etc.) _____ → If fast food, name _____ → Is there a waiter/waitress? <input type="checkbox"/> Yes <input type="checkbox"/> No → Are there vegetables served at this restaurant? <input type="checkbox"/> Yes <input type="checkbox"/> No → Fresh side salad? <input type="checkbox"/> Yes <input type="checkbox"/> No → Fresh entrée salad? <input type="checkbox"/> Yes <input type="checkbox"/> No → Non-fried vegetable option (e.g. steamed, grilled)? <input type="checkbox"/> Yes <input type="checkbox"/> No → Vegetables mixed into a dish? <input type="checkbox"/> Yes <input type="checkbox"/> No → Fried vegetables? <input type="checkbox"/> Yes <input type="checkbox"/> No → Are fruits served at this restaurant? <input type="checkbox"/> Yes <input type="checkbox"/> No → Whole fruit? <input type="checkbox"/> Yes <input type="checkbox"/> No → Fruit salad? <input type="checkbox"/> Yes <input type="checkbox"/> No → What is the cost of the lowest entrée on the menu? _____ → What is the cost of the highest entrée on the menu? _____			
End here. Assessment completed.			
<input type="checkbox"/> No, this establishment is not a restaurant → Go to question 2.			
2. Food Vendor Type			
<input type="checkbox"/> Small specialty store → Type: (e.g., butcher, bakery, etc.) _____ <input type="checkbox"/> Small variety store (e.g., bodega, deli) ; with hot grill? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 99 Cent Store <input type="checkbox"/> Large variety store (e.g., independent supermarket, grocer) <input type="checkbox"/> Large chain variety store (e.g., C-Town, Associated) → Name of chain: _____ <input type="checkbox"/> Independent drug store/convenience store (e.g., family owned) <input type="checkbox"/> Chain drug store/convenience store (e.g., CVS, Duane Reade) → Name of chain: _____ <input type="checkbox"/> Mobile vendors (street- or car-based) Specify: <input type="checkbox"/> Street (cart) <input type="checkbox"/> Car (trunk) <input type="checkbox"/> Gas station convenience store <input type="checkbox"/> Other:			
3a. Does the store sell fresh fruits and vegetables?			
<input type="checkbox"/> Yes (If yes, please fill out the following below) <input type="checkbox"/> No (If no, skip to next question)			
Item	Available?	Price: circle piece or pound, as applies (use cheapest price for item)	Near register? Outside? "Near" is within 5 feet of the register
Apple	<input type="checkbox"/> Yes <input type="checkbox"/> No If you answered Yes, please rate the overall quality: 1=fresh, premium quality 2=Fairly fresh 3=Mixed; some fresh produce mixed in with some bruised/damaged produce 4=Mostly	\$ ____ per piece \$ ____ pound \$ ____ per bag # ____ per dollar	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

	<p>bruised/damaged 5=Severely bruised/damaged)</p> <p>Your Rating_____</p>		
Banana	<p><input type="checkbox"/> Yes <input type="checkbox"/> No If you answered Yes, please rate the overall QUALITY (1=fresh, premium quality 2=Fairly fresh 3=Mixed; some fresh produce mixed in with some bruised/damaged produce 4=Mostly bruised/damaged 5=Severely bruised/damaged)</p> <p>Your Rating_____</p>	\$ ____ per piece \$ ____ pound \$____per bag #____per dollar	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
Orange	<p><input type="checkbox"/> Yes <input type="checkbox"/> No If you answered Yes, please rate the overall QUALITY (1=fresh, premium quality 2=Fairly fresh 3=Mixed; some fresh produce mixed in with some bruised/damaged produce 4=Mostly bruised/damaged 5=Severely bruised/damaged)</p> <p>Your Rating_____</p>	\$ ____ per piece \$ ____ pound \$____per bag #____per dollar	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
Sweet Potatoes/ Yams	<p><input type="checkbox"/> Yes <input type="checkbox"/> No If you answered Yes, please rate the overall QUALITY (1=fresh, premium quality 2=Fairly fresh 3=Mixed; some fresh produce mixed in with some bruised/damaged produce 4=Mostly bruised/damaged 5=Severely bruised/damaged)</p> <p>Your Rating_____</p>	\$ ____ per piece \$ ____ pound \$____per bag #____per dollar	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
Tomato	<p><input type="checkbox"/> Yes <input type="checkbox"/> No If you answered Yes, please rate the overall QUALITY (1=fresh,</p>	\$ ____ per piece \$ ____ pound \$____per bag #____per dollar	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

	<p>premium quality 2=Fairly fresh 3=Mixed; some fresh produce mixed in with some bruised/damaged produce 4=Mostly bruised/damaged 5=Severely bruised/damaged)</p> <p>Your Rating_____</p>		
Carrot	<p><input type="checkbox"/> Yes <input type="checkbox"/> No If you answered Yes, please rate the overall QUALITY (1=fresh, premium quality 2=Fairly fresh 3=Mixed; some fresh produce mixed in with some bruised/damaged produce 4=Mostly bruised/damaged 5=Severely bruised/damaged)</p> <p>Your Rating_____</p>	\$ ____ per piece \$ ____ pound \$____per bag #____per dollar	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
Leafy Green Vegetables (e.g., spinach, kale, romaine lettuce) Types: _____ _____ _____	<p><input type="checkbox"/> Yes <input type="checkbox"/> No If you answered Yes, please rate the overall QUALITY (1=fresh, premium quality 2=Fairly fresh 3=Mixed; some fresh produce mixed in with some bruised/damaged produce 4=Mostly bruised/damaged 5=Severely bruised/damaged)</p> <p>Your Rating_____</p>	\$ ____ per piece \$ ____ pound \$____per bag #____per dollar \$ ____ per piece \$ ____ pound \$____per bag #____per dollar \$ ____ per piece \$ ____ pound \$____per bag #____per dollar	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
Other Fruits and Vegetables: _____ _____ _____	<p><input type="checkbox"/> Yes <input type="checkbox"/> No If you answered Yes, please rate the overall QUALITY (1=fresh, premium quality 2=Fairly fresh 3=Mixed; some fresh produce mixed in with some bruised/damaged produce 4=Mostly bruised/damaged 5=Severely bruised/damaged)</p>	\$ ____ per piece \$ ____ pound \$____per bag #____per dollar \$ ____ per piece \$ ____ pound \$____per bag #____per dollar \$ ____ per piece \$ ____ pound \$____per bag #____per dollar	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

	Your Rating _____				
3b. Does the store sell frozen vegetables? (Look for Green veggies like spinach, broccoli or Beans like lima, string)					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
3c. Does the store sell frozen fruit?					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
3d. Does the store sell canned vegetables? (Look for veggies like canned mushrooms, corn, string beans, lima beans)					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
3e. Does the store sell canned fruit?					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
4. Does the store sell beans? (Look for pinto beans, kidney beans, garbanzo beans, black beans)					
<input type="checkbox"/> Yes → (if yes, please check all that apply) <input type="checkbox"/> Dried <input type="checkbox"/> Canned <input type="checkbox"/> No					
5. Does the store sell meat? (Look for beef, pork, chicken, fish)					
<input type="checkbox"/> Yes → (if yes, please check all that apply) <input type="checkbox"/> Fresh <input type="checkbox"/> Frozen <input type="checkbox"/> Canned <input type="checkbox"/> No					
6. Does the store sell eggs?					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
7. Does the store sell whole wheat or whole grain bread? (first ingredient is whole wheat or another whole grain)					
<input type="checkbox"/> Yes (If yes, please fill out following below) <input type="checkbox"/> No (If no, skip to question 8a)					
Type	Price (use cheapest price for item)				
<input type="checkbox"/> Whole wheat	\$ _____	per loaf;	\$ _____ per pound		
<input type="checkbox"/> Whole Grain	\$ _____	per loaf;	\$ _____ per pound		
8a. Does the store sell rice?					
<input type="checkbox"/> Yes <input type="checkbox"/> No → (if no, please skip to question #9)					
8b. Does the store sell brown rice?					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
9. Does the store sell dairy products?					
<input type="checkbox"/> Yes (If yes, please fill out the following below) <input type="checkbox"/> No (If no, skip to next question)					
Type	Price (use cheapest price for item)	Near register?		Near register?	
1% Milk	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per gallon	\$ _____ per half gallon	\$ _____ per quart	<input type="checkbox"/> Yes <input type="checkbox"/> No
		\$ _____ per pint or smaller			
2% Milk/ soy lite	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per gallon	\$ _____ per half gallon	\$ _____ per quart	<input type="checkbox"/> Yes <input type="checkbox"/> No
		\$ _____ per pint or smaller			
Whole Milk/ reg soy	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per gallon	\$ _____ per half gallon	\$ _____ per quart	<input type="checkbox"/> Yes <input type="checkbox"/> No
		\$ _____ per pint or smaller			
		Of the milk, is whole milk: Less than 25% <input type="checkbox"/> 25-50% <input type="checkbox"/> 50-75% <input type="checkbox"/> 75-100% <input type="checkbox"/>			
Low-fat cheese	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per container	\$ _____ per pound		
Regular cheese (not low-fat)	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per container	\$ _____ per pound		
Low-fat yogurt	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per container	\$ _____ per pound		
Regular yogurt (not low-fat)	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per container	\$ _____ per pound		
Ice Cream/ Dairy Snacks	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per container	\$ _____ per pound		
10. Does the store sell other beverages?					
<input type="checkbox"/> Yes (If yes, please fill out the following below) <input type="checkbox"/> No (If no, skip to next question)					
Type	Available?	About how much space does it take in the refrigerated case for beverages?			
100% Juice	<input type="checkbox"/> Yes <input type="checkbox"/> No	Less than 25% <input type="checkbox"/>	25-50% <input type="checkbox"/>	50-75% <input type="checkbox"/>	75-100% <input type="checkbox"/>
Juice Drink (less than 100%); malta drink	<input type="checkbox"/> Yes <input type="checkbox"/> No	Less than 25% <input type="checkbox"/>	25-50% <input type="checkbox"/>	50-75% <input type="checkbox"/>	75-100% <input type="checkbox"/>
Soda	<input type="checkbox"/> Yes <input type="checkbox"/> No	Less than 25% <input type="checkbox"/>	25-50% <input type="checkbox"/>	50-75% <input type="checkbox"/>	75-100% <input type="checkbox"/>

Diet Soda	<input type="checkbox"/> Yes <input type="checkbox"/> No	Less than 25% <input type="checkbox"/> 25-50% <input type="checkbox"/> 50-75% <input type="checkbox"/> 75-100% <input type="checkbox"/>
Quarter Water/Quarter Drinks	<input type="checkbox"/> Yes <input type="checkbox"/> No	Less than 25% <input type="checkbox"/> 25-50% <input type="checkbox"/> 50-75% <input type="checkbox"/> 75-100% <input type="checkbox"/>
Water	<input type="checkbox"/> Yes <input type="checkbox"/> No	Less than 25% <input type="checkbox"/> 25-50% <input type="checkbox"/> 50-75% <input type="checkbox"/> 75-100% <input type="checkbox"/>
Alcohol (e.g., beer, wine coolers)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Less than 25% <input type="checkbox"/> 25-50% <input type="checkbox"/> 50-75% <input type="checkbox"/> 75-100% <input type="checkbox"/>

11. Does the store sell snack food?

Yes (If yes, please fill out the following below) No (If no, skip to next question)

Type	Individual Serving/Snack Size Available?	Near register?	Price (use cheapest price for item)
Candy/Chocolate	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per item
Cookies/Muffins/Cakes/Sweets (e.g. Hostess, Little Debbie)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per item
Regular chips (nacho, corn, potato)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per item
Special chips (baked, lowfat, pretzels, soy)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$ _____ per item

12. Does the store sell ethnic foods (e.g. Mexican, Colombian, Chinese, Jamaican, etc.)?

Yes No

13. Is advertising displayed (in store window)?

Yes (If yes, please fill out the following below) No (If no, skip to question 14)

Food	Advertising? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, is the advertising in a language other than English? <input type="checkbox"/> Yes <input type="checkbox"/> No If possible, please identify the language (e.g. Spanish) _____	Brands: _____ _____ _____
Deli Meats	Advertising? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, is the advertising in a language other than English? <input type="checkbox"/> Yes <input type="checkbox"/> No If possible, please identify the language (e.g. Spanish) _____	Brands: _____ _____ _____
Drinks: non-alcoholic, e.g. soda, juice, malta drink)	Advertising? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, is the advertising in a language other than English? <input type="checkbox"/> Yes <input type="checkbox"/> No If possible, please identify the language (e.g. Spanish) _____	Brands: _____ _____ _____
Drinks: alcoholic, e.g. beer, wine coolers)	Advertising? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, is the advertising in a language other than English? <input type="checkbox"/> Yes <input type="checkbox"/> No If possible, please identify the language (e.g. Spanish) _____	Brands: _____ _____ _____
Cigarettes	Advertising? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, is the advertising in a language other than English? <input type="checkbox"/> Yes <input type="checkbox"/> No If possible, please identify the language (e.g. Spanish) _____	Brands: _____ _____ _____
Other Products	Advertising? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, is the advertising in a language other than English? <input type="checkbox"/> Yes <input type="checkbox"/> No If possible, please identify the language (e.g. Spanish) _____	Brands: _____ _____ _____

14. Are there health promotion messages or ads?

Yes No

	Message (verbatim):	Sponsor:
	Message (verbatim):	Sponsor:

	Message (verbatim):	Sponsor:
15. Does the store offer the following service? (Check yes or no below)		
Handicap Accessible	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Food Stamps accepted	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Credit card machine	<input type="checkbox"/> Yes <input type="checkbox"/> No	
WIC checks accepted	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Coupons accepted	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Delivery service	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Time assessment ends: _____

INTERVIEWER NOTES:

References

1. “Summary of C-SNAP Findings on Immigrant Families.” Children’s Sentinel Nutrition Assessment Program (C-SNAP). Nov. 2004
[<http://dcc2.bumc.bu.edu/csnappublic/Immigrant_Summary_Nov2004.pdf>](http://dcc2.bumc.bu.edu/csnappublic/Immigrant_Summary_Nov2004.pdf)
2. “Keeping Track of New York City’s Children 2005.”
3. McMillan, 2004.
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5. “Mapping an End to Hunger: Special Report.” The New York City Coalition Against Hunger. http://www.nyccah.org/research/map_report.html
6. The New York City Department of Health and Mental Hygiene. “Eating In, Eating Out, Eating Well: Access to Healthy Food in North and Central Brooklyn”
7. Pothukuchi,K. “What’s Cooking in Your Food System?”: A Guide to Community Food Assessment. Community Food Security Coalition. 2002