

Move Utah

ACTIVE, HEALTHY, CONNECTED COMMUNITIES

Hungry for Change: How Cutting-Edge Research is Helping to Reduce Food Deserts in Utah

GOLD LEVEL PARTNERS











SILVER LEVEL PARTNERS



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UTAH LEAGUE OF CITIES AND TOWNS











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STUDENT SCHOLARSHIPS

Fehr / Peers





SUMMIT FRIENDS







CHAMPION OF CHANGE





Healthy Utah Community Designation

UTAH COM **Healthy** Communities are





TO LEARN MORE VISIT: GetHealthyUtah.org/HealthyUtahCommunity



SPEAKERS



Kohl

DHHS



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Shawn Begay Utah Navajo Health Systems



Healthy Food Access

Food Access:

- Availability
- Affordability
- Accommodation
- Acceptability

Why do we eat what we eat?

- Taste
- Cost
- Nutrition
- Convenience

"Proximity does not equal





Utah Department of Health & Human Services Population Health



Current Work: Healthy Food in Pantries





Healthy Choice[®]

Assessing food pantry environments

https://extension.usu.edu/fscreate/files/2020-22-staff/Nutrition_Environment_Food_Intry_Assessment_Tool.pdf

Creating action plans to address areas of improvement

Implementing changes and adopting nutritions standards to increas access to heart-healthy food options

- Food options
- Behavioral design



Current Work: Healthy Food in Pantries

CREATE

RETTER HEAITH

March 2020

CREATE Healthy Pantries

Nutrition Environment Food Pantry Assessment Tool	Adapted from
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General Information

Directions: This assessment tool is meant to provide perspective on the nutritional environment of the food pantry. Items marked with an * indicate that valuations will be made using both objective observations, as well as questions to be asked of pantry staff/volunteers. Please make your assessment based on observations made during the food pantry's food distribution services.

Foods to Encourage(F2E) includes "Thumbs Up for Healthy Choices" Healthy Food

Date

Name of Ambassador

Name of Food Pantry _____

- 1. Increase client choice for nutritious options
- 2. Market and "nudge" healthful products
- 3. Provide various forms of fruits and vegetables
- 4. Provide various types (colors) of fruits and vegetables
- 5. Promote additional resources
- 6. Plan for alternative eating patterns





Current Work: Local Food & Councils



Local Food Purchase Assistance Cooperative Agreement Program

https://www.ams.usda.gov/selling-food-to-usda/lfp acap



https://extension.usu.edu/hsi/utahfoodsecuritycouncil





Healthy Places Index

https://map.utah.healthyplacesindex.org/



Healthy Places Index



Healthy Places Index



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Slides for Shawn Begay





Equitable Access to Nutrition in Utah

Greg Macfarlane Alisha Redelfs Lori Spruance



Food Insecurity Definition

- •USDA defines food insecurity as "a household-level economic and social condition of limited or uncertain access to adequate food"
- •Adequate- this means that the food must satisfy dietary needs (i.e. nutritious)







Dietary Guidelines for Americans

A healthy eating pattern includes:

•Variety of vegetables (2-3 cups per day)

•Fruits, especially whole fruits (1.5-2 cups per day)

•Grains, at least half of which are whole grains

•Fat-free or low-fat dairy

•Variety of protein foods

•Oils

A healthy eating pattern limits:

•Saturated fats (consume less than 10% of calories per day from sat fat)

•Added sugars (consume less than 10% of calories per day from added sugar)

•Sodium (consume less than 2300 mg per day of sodium)



How Are Americans Stacking Up?

•12.3% of US adults met fruit recommendations

•10.0% of US adults met vegetable intake recommendations

•US adults consume 270 calories of added sugar each day; versus the recommended 200 calories

•American adults consume an average of 3,400 mg of sodium per day, compared to 2,300 mg recommended



What Contributes to Food Insecurity?

- Income
- •Employment
- Race/ethnicity
- •Disability

•Neighborhood conditions (e.g. limited number of full service supermarkets)

Transportation options



Reducing Food Insecurity

Affordability + Accessibility



School Meals

- •Affordable and accessible
- •Demonstrated to reduce food insecurity

•One of the few places where government programs have tried to match to the dietary guideline





Nutrition Policy

* Kids eat between 35-40% of their daily calories at school

We've had success improving the school nutrition environment through school meals

- Breakfast after the Bell Programs (Start Smart Utah, HB222)
- Healthy School Meals for All (other states)

We need to consider the environment outside of schools in order to address the total diet, like grocery stores, and make these affordable and accessible

Are there policy options that will work here?



How do we measure the Nutritional Environment?

NEMS | Nutritional Environment Measures Survey

TOOLS PUBLICATIONS SHOWCASE

The NEMS Tools are observational measures to assess the community and consumer nutrition environments in food outlets, specifically stores, corner stores and restaurants. The measures focus on availability of healthful choices, prices and quality.



NEMS-S SURVEY PROTOCOL SCORING RATIONALE PROJECTS ARTICLE

NEMS STORE MEASURES

There are 11 measures of store nutrition environments which assess the availability and pricing differences between healthier and less-healthy options: milk, fresh fruits and vegetables, ground beef, hot dogs, frozen dinners, baked goods, beverages (soda/juice), whole grain bread, baked chips, and cereal.

The NEMS-S tool has been updated since its original publication. The original published version of the instructions and the store measures can be accessed by clicking on this link: NEMS-S survey and instructions.

The updated version of the NEMS-S tool has an added measure of cereal as well as some changes to the layout.



		- •						
		12:29						,
	12:29	Availability		Price	Quantity for that price	Unit		
Н		Yes	No	\$	#	рс	lb	А
11		0	0			0	0	
		0	0			0	0	
ľ	Fruit A	0	0			0	0	
		0	0			0	0	
	1. Does this store sell fresh	00000	0000			00000	0000	
	fruit?	0	0			0	0	
	Does this store sell any	0	0			0	0	
	fresh organi (fruit?				of fruits (cou under Avail			

NEMS-S Data Collection

TORE_ID	Store (STORE_NM21)	Store Address (STORE_ADD)	Date Completed MM/DD/YYYY (DATE_C)	Initials of Completer (ASSIGN_C)	Notes on this store (NOTES_SHEET)
	Group 1				
T-001	Ivanov's Market	E Main St, Santaguin, UT 84655	04/16/2021	ОН	
T-002	Macey's	110 N 400 E St, Santaguin, UT 84655	4/16/2021	ОН	
UT-003	Grandpa V's Family Fruit stand	365-389 E Main St, Santaquin, UT 84655	4/16/2021	он	Not open because it's a farmers market
	Group 2				
T-004	Rowley' Red Barn	901 S 300 W St, Santaquin, UT 84655	5/14/21	AB	
T-005	Family Dollar	252 W Main St, Santaquin, UT 84655	5/14	AB	
JT-006	Carnes Grocery Store	Goshen, UT 84633	5/14/21	АВ	No longer in business- permanently closed
	Group 3			l	
T-007	Riley's Farm Fresh	970 E 400 N, Genola, UT 84655	3/24/2021	AB	Not a grocery store
T-008	Walmart Supercenter	1052 S Turf Farm Rd Payson	3/24/2021	AB	
IT-009	El Pueblo Market	1392 Turf Farm Way, Payson, UT 84651	3/24/2021	AB	
	Group 4				
T-010	Smith's	632 South 100 West, Payson, UT 84651-2864	04/24/21	KMM	
T-011	El Mercadito	101 N 100 W, Payson, UT 84651	04/24/21	KMM	
JT-012	El Centro De Payson Mexican Store	3 N Main St, Payson, UT 84651	04/24/21	KMM	
	Group 5				
JT-013	Gini's Corner Market	805 East 100 North , Payson, UT 84651-2346	4/9/2021	ОН	Convenience store
JT-014	Payson Market	586 North Main Street Suite D, Payson, UT 84651-3428	4/9/2021	ОН	
JT-015	Stokes Salem Inc	795 UT-198, Salem, UT 84653	4/9/2021	ОН	
	Group 6				
T-016	Walmart Supercenter	1206 Canyon Creek Pkwy, Spanish Fork, UT 84660	03/27/2021	KMM	
T-017	Walmart Supercenter	898 S 2550 E St, Spanish Fork, UT 84660	3/20/2021	KMM	
T-018	Good Earth	863 N 700 E, Spanish Fork, UT 84660	03/06/2021	КММ	Finished before the second round of training
	Group 7				
T-019	Macey's	187 E 1000 N Spanish Fork	03/31/2021	AB	
JT-020	Walmart Supercenter	660 S 1750 W, Springville, UT 84663	04/20/2021	AB	
JT-021	Smith's	1117 W 400 S, Springville, UT 84663	03/31/2021	AB	

😑 Utah County Stores by Group 🔹 REmeasure 👻 Salt Lake County Stores 👻 San Juan County Stores 💌





Market Basket Score (USDA Thrifty Food Plan)

- A predetermined set of items to measure affordability (e.g. what goes into a basket of groceries)
- Determined for a family of four
- Reported in dollar amounts, so the higher the score the more expensive a store is



The problems measuring access

- Arbitrary distances
 - How far?
 - By what mode?
- Ignore preferences
 - Brand
 - Availability of produce
 - Cost



Illuminating preferences with mobile data



Total Access - All Modes

Total Access - No Cars





Model Scenarios

Scenario	Access Difference	Weighted Population	Monetary Benefit
New Store in West Valley	15.23	24083	\$2,685,207
Improved Dollar Store	7.37	11656	\$1,299,602
Improved Transit	0.063	106.4	\$11,860
San Juan Improved Store	.0317	48.18	\$5,372
Utah County Improved Store	.809	1072.6	\$119,588





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Panel Discussion