

A Multi-site Evaluation of Fruit and Vegetable Consumption Changes from SNAP-Ed for Adults and Children

Results from FFY 2010 and FFY 2011

Presented by: Carolyn D. Kitzmann Rider

Presenter Disclosures

Carolyn D. Kitzmann Rider

(1) The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No relationships to disclose



Background

- The Network for a Healthy California (Network) conducts social marketing nutrition education campaigns through the USDA's Supplemental Nutrition Assistance Program (SNAP).
- A major Network goal is to increase fruit and vegetable (FV) consumption.
- Local partners deliver interventions aimed at specific audiences, and are trained in evaluation capacity building to assess their own programs.
- Children received either PowerPlay! or Harvest of the Month interventions.
- Adult interventions were nearly always parent education.

Evaluation

- · The largest partners are required to conduct Impact or Outcome Evaluation annually
- · Some aspects of evaluations are standardized
 - Minimum sample sizes
 - Standardized survey tools
 - Pre-test/post-test design
- Other evaluation components are designed locally
 - Optional survey modules can be added
 - Control groups
 - And much more...

Analysis

FFY 2010

- 44 projects total
- •21 selected for analysis
 - 12 children*, 9 adult

Intervention:

1474 children*, 646 adults

Control:

544 children*, 159 adults

FFY 2011

- 42 projects total
- 39 selected for analysis
 - ♦ 29 children*, 10 adult

Intervention:

6858 children*, 1099 adults

Control:

779 children*, 45 adults

*Children included in analysis were in grades 4-8. Sample sizes are for fruit and vegetable intake.

The following notations are used throughout this presentation for all analyses:

* p< .05

** p< .01

*** p< .001
ns non-significant

If no significance level is indicated for a change between pre-test and post-test, the change is non-significant.



Interventions Used by Local Projects

Children's Intervention & Analysis

Projects* Using Harvest of	Moderate 1-3 Activities	Intense 4+ Activities
the Month	5	6

Projects* Using Power	Moderate 1-10 Activities	Intense 11+ Activities
Play!	. 1	4

*projects often use more than one intervention and may be duplicated in this count.

Projects often use more than one interv
Harvest of the Month provides
materials and resources to
support healthy food choices
through increased access and
consumption of fruits and
vegetables as well as encourage
daily physical activity. It brings
together the classroom, cafeteria,
home and community to promote
a common goal and healthier
habits for students, especially
those in low resource schools.

rention and may be duplicated in this count.

PowerPlay! uses tested nutrition ed lessons that are designed to be appealing to kids, easy for adults to use and understand, and grounded in proven theories from the fields of health behavior, education, social marketing, and prevention. These include the School Idea & Resource Kits, Community Youth Organization Idea & Resource Kit, Power Up for Learning physical activity supplement, Kids...Get Cookin'! cookbook, posters, parent brochures, and more.

Evaluation Designs Used by Local Projects

Evaluation Design	Count
pre/post no comparison group	4
pre/post with comparison group	7
pre/post no comparison group, different intensities	1

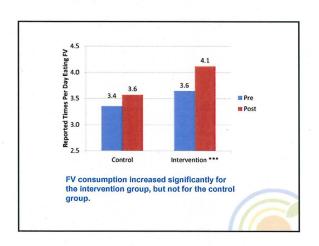


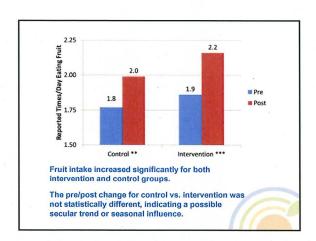
Network Youth Survey Used by all child projects in FFY 2010 & 2011. Condensed version of the School and Physical

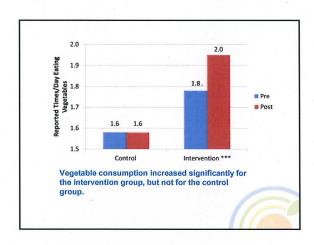
Condensed version of the School and Physical Activity Nutrition project (SPAN) survey, which was validated for 4th graders.

7. Yerenday, did you ear any vegerables? Vegerables are all cooked and uncooked vegerables; salads, and boiled, baked and mashed postores. Do not count French fries or chips.

O No. I didn't ear any vegerables yerrenday.
O Yes, I are vegerables 1 time yerrenday.
O Yes, I are vegerables 1 time yerrenday.
O Yes, I are vegerables 2 times yerrenday.
O Yes, I are vegerables 1 times yerrenday.









FFY 2011 Children's Intervention & Analysis

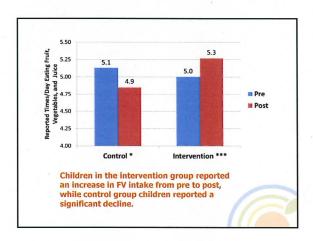
Interventions Used by Local Projects

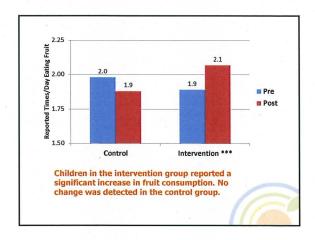
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12
8

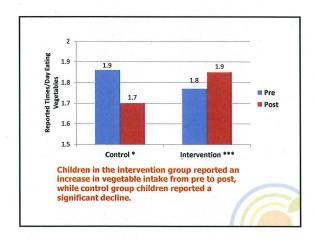
Evaluation Designs Used by Local Projects

Evaluation Design	Count
pre/post no comparison group	16
pre/post with comparison group	11
pre/post no comparison group, different intensities	2

All child projects continued to use the Network Youth Survey in FFY 2011.









Intervention Components Used by Local Projects in FFY 2010

Adult Intervention & Analysis

Most frequently mentioned materials, activities, topics, and learning strategies:

- Food demos
- · Label-reading
- Taste tests
- Cookbooks and
- MyPyramid
- recipes
- measuring portions
 - handouts

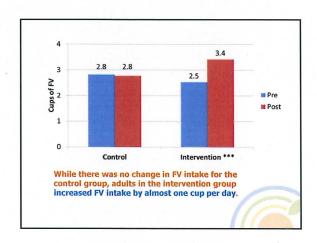
Evaluation Designs & Surveys Used by Local **Projects**

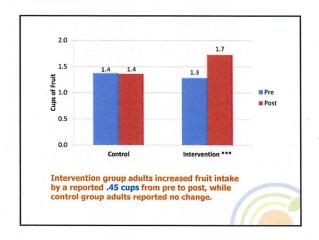
Evaluation Design	Count
pre/post no comparison group	3
pre/post with comparison group	3
pre/post no comparison group, different intensities	3
	Ιο .
Survey	Count
Fruit and Vegetable Checklist (FVC) – 7 items Food Behavior Checklist (FBC) – 16 items	3

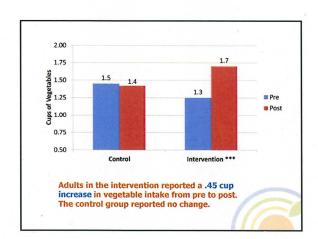


The FVC is a 7-item fruit and vegetable scale. It is contained within the FBC, which within the FBC, which includes a broader range of dietary behaviors. Both are validated for use with low-income populations and available in English and Spanish.











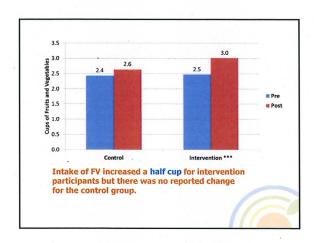
Intervention Components Used by Local Projects in FFY 2011

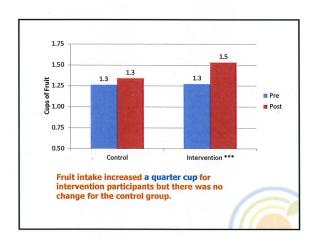
Most frequently mentioned materials, activities, and learning strategies:

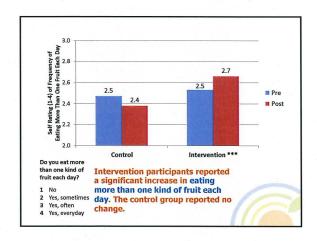
- Food preparation
- Harvest of the
- Taste tests
- Month
- MyPyramid
- Shape of Yoga
- Role-playing
- Field Trips

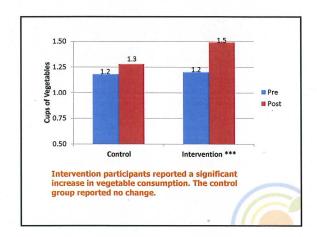


Evaluation Designs & Surveys Used by Local Projects – FFY 2011 Evaluation Design Count pre/post no comparison group 10 pre/post with comparison group 2 Survey Count Fruit and Vegetable Checklist (FVC) – 7 items 4 Food Behavior Checklist (FBC) – 16 items 8









Summary

- Local projects delivered interventions targeted to their specific audiences.
- In both FFY 2010 and 2011, results showed positive change in FV intake for adults and children participating in these local SNAP-Ed interventions.

Conclusions

- When assisted with developing the capacity to participate in evaluation, local programs can be an integral part of a multi-site evaluation like this one.
- Local, targeted nutrition education initiatives are an essential component of the success of multi-level social marketing campaigns such as the Network for a Healthy California.

Thank You!

- Former and present colleagues on this multi-site evaluation: Amanda Linares, Jennifer Gregson, Sharon Sugerman, Andrew Fourney, Patrick Mitchell, Evan Talmage
- The many colleagues on our local projects
- The program managers and Nutrition Education Consultants who guide our local projects in choosing and developing the best educational resources available

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