



SUCCESSSES

- UC CalFresh reached a total of **13,977** youth and 504 adults with nutrition and food resource management workshops and series-based classes.
- In FFY18, a total of **217** new Policy, Systems and Environmental changes were implemented with an estimated reach to more than **11,500** individuals in the Butte Cluster.



RESULTS

Youth

- 7,424** students received food tastings combined with garden enhanced nutrition education, and **64%** reported that they would be willing to eat the foods again.

Adult

- 285** adults graduated from the Making Every Dollar Count program and **93%** reported that they felt that the program was well worth their time.

IMPROVING CALIFORNIA'S HEALTH THROUGH SNAP-ED

County Statement:

The UC CalFresh Nutrition Education Program of Butte, Glenn, Colusa, Sutter, and Yuba counties collaborates with school-based partners, students, teacher extenders, UC Master Gardener and 4-H Programs to provide comprehensive, research-based nutrition, garden and physical activity programming to low-income communities. Recognizing that nutrition and physical activity behaviors are dependent on many factors including individual knowledge and skills and social determinants including access to resources, opportunities and regional and institutional policies, UC CalFresh works with partners to identify and address barriers to health and wellness. UC CalFresh nutrition education utilizes integrated approaches which leverage community resources including agriculture to facilitate the creation of healthier communities by educating and encouraging community members to: 1) make informed nutrition and physical activity decisions; 2) maximize their food resources; 3) eat and enjoy a variety of locally grown fruits and vegetables.

Making Environmental and Organizational Changes

- CATCH physical activity training and technical assistance for 12 PE Specialists serving an entire school district in Sutter County. Teachers in 2 schools in Colusa County and teachers at 1 school in Glenn County received CATCH physical activity training. Combined these teachers engaged over 1,000 students in regular skill building CATCH physical activities.
- 4 new playground stencil projects were completed. These projects were an improvement to school playgrounds and incorporated "CATCH friendly" elements enticing school staff and students to move more.
- Sustainability support for edible school gardens.
- School food service support for improved lunchroom environment utilizing Smarter Lunchrooms Movement resources.
- School Wellness Policy support for district-wide improvements.

Serving California Agriculture

All five counties are influenced by agriculture production which is the primary industry in the region. UC Master Gardeners, as extenders teach hour long garden lessons to students. UC CalFresh staff collaborate with Master Gardeners exchanging knowledge and expertise. This internal collaboration positively impacts school garden programs by increasing learning opportunities in edible school gardens.



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A. SNAP-Ed Program Overview

In the second year of the three-year Integrated Work Plan (IWP) implementation, the UC CalFresh Nutrition Education Program (UC CalFresh) of Butte, Glenn, Colusa, Sutter and Yuba Counties (Butte Cluster) made significant progress on the overarching IWP objectives. UC CalFresh in the Butte Cluster continued to implement successful adult, youth, and family nutrition education and provided related resources to low-income youth and families by serving 92 partner programs/schools. Overall, 13,977 students and 504 adults received direct education.

No Prep Teacher Education Kits (NPTEKs) were used to implement series-based nutrition education and were highly utilized by extenders. Through the extender model approach, training and technical assistance was provided to 381 volunteer extenders which include teachers, community partners and UC Master Gardeners. Volunteer efforts in the Butte Cluster resulted in the direct delivery of 4,097 hours of direct nutrition, garden, and physical activity education. School-based programming continues to be the main driver throughout the five-county region resulting in an estimated reach to 26,729 individuals in FFY18.

Providing training and technical assistance and implementing the “extender model” has resulted in a significant contribution to the number of individuals reached and made a substantial impact on youth and their families through the implementation of both direct education and policy, systems, and environmental interventions.

Projects undertaken in FFY18 successfully expanded comprehensive programming and contributed to maintaining program quality and partner engagement. This was demonstrated in multiple projects including 43 sites/organizations adopting a total of 217 new Policy, Systems and Environmental (PSE) changes with an estimated reach to more than 11,500 individuals in the Butte Cluster (see Table 1).

Table 1: Butte Cluster PSE Sites by County and Reach		
County	Number of PSE Sites	Reach
Butte	8	2,495
Colusa	4	618
Glenn	3	852
Sutter	12	5,389
Yuba	16	2,287
Total Estimated Reach for Butte Cluster PSE Sites = 11,641		

PSE changes that were adopted included; establishing and/or reinvigorating school gardens in 21% of the Butte Cluster’s PSE sites, increased access to and opportunities for structured physical activity in 35% of PSE sites, updating and implementing school wellness policies in 16% of PSE sites, and the implementation of the Smarter Lunchrooms Movement in 21% of PSE sites.

During FFY18, the UC CalFresh Butte Cluster built upon FFY17 successes and strategies to contribute towards the collective impact that was made in the five-county region. Four stencil/mural projects were

implemented in conjunction with Coordinated Approach to Children's Health (CATCH) trainings to increase interest in and improve quality of physical activity at school sites. UC CalFresh in the Butte Cluster also partnered with Food Service Directors from three School Districts to revise Local School Wellness Policies (LSWP) and continued to implement Smarter Lunchrooms Movement (SLM) strategies to improve school lunchrooms and to increase access to and consumption of fruits and vegetables. In addition to Local School Wellness Policy (LSWP) implementation, the UC CalFresh Butte Cluster reinvigorated nine edible school gardens to increase access to fresh fruits and vegetables. UC CalFresh Butte Cluster partnerships and participation in various projects have been highlighted in multiples outlets, including, blog posts, print, and social media (referenced in section vii. of this report).

i. Progress in Achieving Overarching Goals:

Progress in Achieving IWP Objective 1b: Annually increase the consumption of fruits and vegetables among the SNAP-Ed eligible population.

Youth Taste Test Tool (TTT)

The UC CalFresh youth program provides taste testing opportunities throughout the year with the aim of exposing students to healthy foods, increasing their willingness to try new healthy foods, and increasing the likelihood that they will ask for these foods at home. These measures are captured through the administration of the Youth Taste Test Tool (TTT). In FFY18, nutrition educators and classroom teachers administered the Youth TTT 365 times, reaching 7,424 students. Some of the foods that had not been previously tasted by students included; seaweed, beets, green beans, cranberries, black olives and snap peas. Of the foods that were introduced, 53% of students reported that they had not previously tried the food, 64% of students reported that they were willing to try the food again, and 62% of the students that tried the food being introduced reported that they would ask for the food again. Results from the Youth TTT evaluation meet 2 out of the 3 SMART objectives. SMART Objective #1 states that 40% or less will have not tasted the food before. In the Butte Cluster 53% of student had not tasted the food before, exceeding this SMART objective goal by +13%. SMART Objective #3 states that more than 60% will be willing to ask for this food at home. In the Butte Cluster 61.5% of students stated that they would be willing to ask for this food at home.

Teacher Observation Tools (TOT)

The UC CalFresh youth program administers Teacher Observation Tools (TOTs) at the end of the school year to obtain feedback from teachers who participate in the program. In FFY18, 50 TOTs were completed by teachers with a total 1,123 students in the Butte Cluster. Results from the TOT evaluation meet both of the SMART Objectives for this tool. SMART Objective #1 states that $\geq 75\%$ will agree or strongly agree that compared to the beginning of the school year, more students can now identify healthy food choices. In the Butte Cluster, 97% of teachers agreed or strongly agreed that compared to the beginning of the school year, more students can now identify healthy food choices. SMART Objective #2 states that $\geq 75\%$ will agree or strongly agree that compared to the beginning of the school year, more students are now willing to try new foods offered at school. In the Butte Cluster, 97% of teachers agreed or strongly agreed compared to the beginning of the school year, more students are now willing to try new foods offered at school.

IWP Objective 4a: Improve food environments at SNAP-Ed eligible sites.

UC CalFresh maintained cross program collaboration of the Butte County UC Master Gardener (MG) Program and UC CalFresh by promoting the mutually beneficial resources each program provides. The collaboration resulted in the expansion of three school gardens and continuation of MG and UC CalFresh garden lesson delivery at 3 schools in 12 classrooms reaching approximately 300 students. In coordination with UC CalFresh, MG volunteers led community garden workshops at Stanford and Oakdale Heights Elementary schools in Oroville, and Paradise Elementary School in Paradise. The Chico State Crop Science and Horticultural Club assisted with the preparation of garden beds for the workshops. The workshops were designed to educate and facilitate involvement in preparing edible garden beds for Fall planting. Emphasizing the UC Gardener mission of dissemination of research-based information for edible school gardens, attendees received hands-on training and technical expertise in

gardening. Additionally, UC MGs provided compost bin building workshops at Murdock Elementary School in Willows and Paradise Elementary School and were involved in a school-wide Farmer's Market event in the school garden at Oakdale Heights Elementary School. A total of nine edible school gardens were reinvigorated through strong UC CalFresh leadership, partnerships with school staff, the Butte County MG program and the Chico State Crop Science and Horticultural Club.

IWP Objective 5a: Improved environments and opportunities for Physical Activity at SNAP-Ed eligible sites CATCH adoption by the Williams Unified School District and 4 playground stencil projects that were integrated into school hardscapes, improved access and quality of physical activity. CATCH training and technical assistance was provided to teachers at various school sites in conjunction with stencil projects which is documented later in this report. Williams Unified School District adopted the CATCH curriculum as the primary physical activity curriculum for grades Transitional K-8th. In FFY 18 Williams Unified School district announced that funding would be cut for the districts Physical Education Program impacting the health of approximately 1,450 youth. The relationship between Williams Unified and UC CalFresh aided in the district's decision to select CATCH as their primary physical activity curricula in response to the loss of the district PE Specialist. UC CalFresh provided training and technical assistance to 34 Williams' Upper and Lower Elementary School teachers in FFY18 to prepare them for implementation scheduled for FFY19. Teachers received a 4 hour comprehensive CATCH training at the school years end in early June, and received a refresher training at the beginning of the school year in August.

Direct Education

- **Cooking Academy:** Upon the successful completion of UC CalFresh/4-H Cooking Academy at Park Avenue, Wheatland Elementary, and Barry School in FFY17, UC CalFresh and the 4-H YDP partnered to implement a fourth Cooking Academy at a community site in Yuba County (Sunset Valley Mercy Housing in Wheatland) in FFY18. UC CalFresh has a longstanding relationship with Sunset Valley Mercy Housing and has been providing SNAP-Ed services to the agency for over five years and the implementation of Cooking Academy introduced the concept of youth engagement at this site for the first time. In total, the UC CalFresh/4-H Cooking Academy reached approximately 14 TAT and 65 youth participants in FFY17 and FFY18.
- **Community Housing Improvement Program (CHIP):** CHIP Youth Summer School Program was successfully implemented. UC CalFresh partnered with CHIP to design and implement a comprehensive youth educational summer camp in the counties of Butte, Sutter, Yuba and Glenn. 72 youth campers and 13 adult resident camp counselors at 8 public housing sites participated in the 8 week Youth Summer Camp School Program.
- **No Prep Teacher Education Kits (NPTEKs):** Were used to implement series-based nutrition education and were highly utilized by extenders. Through the extender model approach, training and technical assistance was provided to 381 volunteer extenders which include teachers, community partners and UC Master Gardeners.
- **Making Every Dollar Count (MEDC):** MEDC lesson series were successfully delivered in collaboration with the implementation of the Expanded Food and Nutrition Education Program. Nutrition education staff coordinated programming and worked with agency directors to schedule UC CalFresh MEDC series and EFNEP to occur consecutively. 285 adult participants successfully graduated from the MEDC series.

Indirect Education

- UC CalFresh reached **31,699** indirect contacts through family newsletters and participation in multiple school or community events including but not limited to the Wellness-Science Technology Engineering and Math (We-STEM) event in Butte County, County Farm Days in Glenn, Sutter, Yuba and Butte, Growing Healthy Children Walk/Run, Love Chapman Community Health Fair, School Garden Workshops, Stencil Playground Paint Days, Marysville Unified School District Food Service Expo and Sutter County School Readiness events.
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Policy System Environmental (PSE)

- **Shaping Healthy Choices Program (SHCP):** In FFY18, the SHCP was implemented in four schools in the Butte County Cluster. Students in 13 classrooms received nutrition education as part of the SHCP. Of these four schools, three participated in a pilot to assess SHCP implemented in novel ways. The first model is a 2-year pilot with the goal of evaluating program effectiveness when the full curriculum and program activities are split across two years. Five fourth grade classrooms in one Butte County school participated in year 1 of the pilot and received inquiry based, garden-enhanced nutrition education from the curriculum Discovering Healthy Choices (DHC) as well as cooking demonstrations from Cooking up Healthy Choices (CUHC). This pilot will be complete at the end of FFY19. The second model is a 3-year pilot to evaluate program effectiveness when students are exposed to the garden-enhanced curriculum Nutrition to Grow On followed by SHCP curricula and program activities, split over two years. Six classrooms in two schools from two counties (Sutter and Yuba) participated in year 1 of the pilot. This pilot will be complete at the end of FFY20. It is hypothesized that a 3-year implementation may increase subject retention, while both pilots concurrently address the need to split the program into more manageable sections.
 - **Coordinated Approach to Child Health (CATCH):** Williams Unified School District adopted the CATCH curriculum as the primary physical activity curriculum for grades Transitional K - 8th. The relationship between Williams Unified and UC CalFresh aided in the district's decision to select CATCH as their primary physical activity curricula in response to the loss of the PE Specialist. UC CalFresh provided training and technical assistance to all William's Upper and Lower Elementary School teachers in FFY 18 to prepare them for implementation scheduled for FFY19.
 - **Edible School Gardens:** Nine edible school gardens were established or reinvigorated to increase access to fresh, local produce and provide students to engage in hands-on garden learning and opportunities to taste their harvest.
 - **Stencil Projects:** Four new playground stencil project were completed to improve access and quality physical activity. Projects were completed in Butte, Glenn, and Sutter Counties in collaboration with school administration, staff, and families. Teachers can use the stenciled areas to implement CATCH curricula as a part of their physical activity lessons, or they can incorporate physical activity into more of their other classroom activities and use the playground area as an extension of their classrooms.
 - **School Wellness Policy (SWP):** The Marysville Joint Unified School District (MJUSD) School Wellness Council leads the district's wellness charge with meeting three times a year to advise on training, SWP implementation needs, and future wellness goals. As a result of the SWP evaluation from the 2016-2017 academic year, some next steps were identified and a Nutrition Ad-hoc Committee was established to focus on nutrition education and physical activity integration into MJUSD schools during the 2017/18 academic year.
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B. Summary Results from the Program Evaluation and Reporting System (PEARS)

i. SNAP-Ed Direct Education Participants FFY 2018

Number of Direct Education Participants (unduplicated) by Age Group and Sex

Age	Female	Male	Actual Count	Estimated Count	Total
Less than 5 years	22	22	15	79	94
5-17 years	6,670	7,090	520	13,363	13,883
18-59 years	403	88	482	9	491
60 years or older	9	4	11	2	13
Total	7,104	7,204	1,028	13,453	14,481

Number of Direct Education Participants (unduplicated) by Ethnicity and Race

		Actual Count of SNAP-Ed Participants	Estimated Count of SNAP-Ed Participants
Ethnicity	Hispanic/Latino	225	5,720
	Non-Hispanic/Latino	296	6,555
Race	American Indian or Alaska Native	13	55
	Asian	82	1,121
	Black or African American	25	86
	Native Hawaiian or Other Pacific Islander	5	5
	White	342	4,234
Total		521	12,275

ii. SNAP-Ed Direct Education Delivery by Programming Format

Direct Education - Characterizing Education Session Format, Delivery, Time

Format	A. Number of Programs Delivered	B. Time Range	
		Sessions (in minutes)	Number of Sessions
1. Single Session	34	0-30	3
		31-60	25
		61-90	3
		91-120	2
		Over 120	1
2. Series of 2 to 4 sessions	85	0-30	88
		31-60	114
		61-90	36
		91-120	16
		Over 120	3
3. Series of 5 to 9 sessions	116	0-30	260
		31-60	405
		61-90	27
		91-120	54
		Over 120	25
4. Series of 10 or more sessions	243	0-30	5820
		31-60	2057
		61-90	278
		91-120	226
		Over 120	30

iii. SNAP-Ed Delivery by Site Setting

Settings	Butte		
	38	31	8
	Sites by Setting and Intervention		
	Total Sites	# of sites with DE	# of Sites with PSE
Adult education, job training, TANF, and veteran services sites	5	4	
Afterschool programs (includes before school programs)	1	1	1
Extension Offices	1		
Faith / places of worship	1	1	
Group living arrangements/residential treatment centers	2	2	
Health care clinics and hospitals	3	2	
Individual homes or public housing sites	7	7	
Parks and Open Spaces	1		
Schools (preschools, K-12, elementary, middle, and high)	17	14	7
Grand Total	38	31	8

Settings	Colusa		
	6	5	3
	Sites by Setting and Intervention		
	Total Sites	# of sites with DE	# of Sites with PSE
Family resource centers	1	1	
FDPIR distribution sites	1		
Schools (preschools, K-12, elementary, middle, and high)	4	4	3
Grand Total	6	5	3

Settings	Glenn		
	6	5	3
	Sites by Setting and Intervention		
	Total Sites	# of sites with DE	# of Sites with PSE
Community and recreation centers	1	1	
Individual homes or public housing sites	2	1	
Schools (preschools, K-12, elementary, middle, and high)	3	3	3
Grand Total	6	5	3

C. Program Highlights and Accomplishments for FFY 2018

CHIP Youth Summer School Program

For two decades CHIP has partnered with UC CalFresh and EFNEP to meet the educational and enrichment needs of youth, adults, and families residing in Public Housing sites. CHIP assists low-income and rural disadvantaged residents, seniors and others who lack financial resources or knowledge to improve or provide adequately for their housing. This year, CHIP partnered with UC CalFresh to coordinate and implement CHIP's first comprehensive Youth Summer School Program. CHIP received a grant to host a youth summer intervention to provide youth the opportunity to maintain their academics and activity levels during summer break. The CHIP Youth Summer School Program (CHIP-YSSP) used a combination of Healthalicious and the CATCH curricula at 8 sites in 4 counties reaching 72 youth. Math and reading standards were met through weekly lesson including cooking activities from the Healthalicious curriculum. Students actively participated in weekly CATCH activities, led by the resident camp counselors. To enrich the summer camp experience, UC CalFresh offered various 4H kits to all participating sites as an additional resource that could be utilized as part of their summer school program.



Many considerations were taken when designing the CHIP-YSSP. The extender model was utilized and as well as the adult-youth mentorship model from UCCE 4H. UC CalFresh and CHIP recruited adult resident volunteers, also identified as Camp Counselors, to co-facilitate the weekly lessons and recruit students (campers). The program was implemented for 8 consecutive weeks and food was funded through the grant award. The food budget allowed for meals to be offered to participating youth and adults and provided the opportunity for residents and families to join their children for lunch or take the food home to their families for a meal later that day. In a retrospective self-reporting survey, CHIP housing managers reported that they either agree or strongly agree that as a result of the CHIP-YSSP that they have gain new skills through serving their community, believe they have taught others, feel more confident in delivering the program, and feel encouraged to volunteer more. Additionally, CHIP enrolled two of its housing communities with the 4H Robotics Program.



CHIP Youth Summer School Program Testimonials:

1) "The best part would be the look and excitement of the kids each day that they came to camp. Just walking into camp hey all had smiles of gold!" Rancho De Soto, Glenn County 2) "The summer program has taught me how to communicate better with children. I do little things with them in the weekends"- Shotover and LaPalmas, Glenn County 3) "I felt closer to the children in my community"- La Viste Verde, Butte County 4) "I thought working with a youth would be harder but I enjoyed it"- East of Eaton, Butte County

UC CalFresh/4-H Cooking Academy

In FFY17/FFY18, the seven-week UC CalFresh/4-H Cooking Academy was successfully implemented at four sites (Park Avenue, Wheatland Elementary, Barry School, and Sunset Valley Mercy Housing in Wheatland), reaching approximately 14 TAT and 65 youth participants.

As a result of participating in the program, youth willingness to try new foods increased. When asked how often they tried new foods prior to participating in the program, 8.3% of youth said always, 50% said sometimes, and 29.2% said once in a while. After participating in the program, 26.3% of youth said they always try new foods, 21.1% said often, 36.8% said sometimes, and 29.2% said once in a while. Prior to participating in the program, 46% of youth also considered themselves to be extremely good cooks and after participating in the program, this increased to 74%, yielding a difference of +28%. In addition, prior to participating in the program, 42% of youth reported that they were able to chop vegetables extremely well with a knife, which increased to 90% after participating in the program. Additionally, 37.5% of youth reported that they were able to grate cheese extremely well prior to participating in the program and this increased to 89.5%, yielding a difference of +52% as a result of program participation.

Teens who participated as TAT in this program increased their overall self-confidence, ability to act as mentors and ability to speak before a group of individuals. As a result of participating in the program, 66.7% of TAT strongly agreed and 33.3% agreed that they learned what makes up a balanced diet and which foods they should eat each day. Additionally, 66.7% of TAT strongly agreed and 33.3% agreed that they learned why it is important to eat a healthy diet and how to make healthy food choices. 66.7% of TAT also reported that they eat more fruits and vegetables, drink less soda, and consume more water as a result of participating in the program. All teens that participated in the program as TAT either strongly agreed (20%) or agreed (80%) that their families have purchased healthier food because of participating in the program.

Some of the most important skills that TAT reported learning as a result of participating in the program included:

- Cooking, following rules and directions.
- Being patient with younger students and getting their attention.
- Learning how to handle younger kids

TAT also shared what they thought was the best part of participating as a teen teacher or mentor in the program and some of their responses included:

- Teaching little kids to cook.
- Spending time with younger students and teaching them ways to maintain a healthy lifestyle.
- Seeing the kids every Thursday and then sometimes seeing them in the community.

The implementation of Cooking Academy at Park Avenue, Wheatland Elementary, and Barry School, generated the following outputs:

- UC CalFresh Weekly Updates: UC CalFresh and 4-H Partner to Develop a Generation of Student Chefs & Provide Elementary School Students with Culinary Opportunities, UCCE Butte County Cluster. UC CalFresh Weekly Updates. <http://fsnep.ucdavis.edu/weekly-updates/weekly-updates/weekly-updates-2017/3-5-2018>
 - UC Delivers: Slattery, CL. (2018). UC Delivers: UC CalFresh and 4-H Partner to Develop a Generation of Student Chefs. <http://ucanr.edu/delivers/?impact=1054&a=0>
 - Poster at the UC ANR Statewide Conference: Slattery, CL., Lawry-Hall, S., Pressman, J., Murrey, S., Vang, M., Bishop, T. (April 2018). Poster Title: UC CalFresh and 4-H Partner to Serve up an Intensive Hands on Course of Study to Develop a Generation of Student Chefs. Poster Session: 2018 UC ANR Statewide Conference. Ontario, CA.
 - UC ANR Blog Post: Nutrition News in the Butte Cluster. March 2018. [UC CalFresh and 4-H Partner to Develop a Generation of Student Chefs](#)
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In FFY19, UC CalFresh/4-H Cooking Academy will continue in Sutter and Yuba Counties and expand into Colusa County as well. The program is projected to reach approximately 24 TAT and 160 youth participants.



"My son Damien is enrolled in the cooking program. He had a wonderful time in this program. It has inspired him to taste new foods and take an interest in cooking. He has come home from the program and explained to me about the food he has made, food preparation and all about cooking! Because of this program, he asked if he could cook our Thanksgiving dinner".

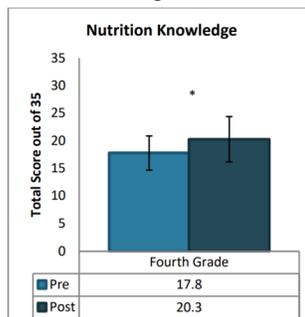
-Heather Panteloglou

Shaping Healthy Choices Program (SHCP) in the Butte Cluster

The Shaping Healthy Choices Program (SHCP) is a multi-component, evidence-based, school intervention that is based upon the Social Cognitive Theory and the Social Ecological Model to improve children’s health and nutrition-related behaviors through the implementation of Direct Education (DE) and Policy, Systems and Environmental (PSE) Changes. In FFY18, the SHCP was implemented with a total of 285 youth participants in 13 classroom within four schools in the Butte Cluster. Youth participants received DE as part of the SHCP. Of the four schools, three are participating in a multi-year pilot to assess SHCP implementation in novel ways. The first model is a 2-year pilot with the goal of evaluating program effectiveness when the full curriculum and program activities are split across two years. Five fourth grade classrooms in one school participated in Y1 of the pilot and received inquiry-based, garden-enhanced nutrition education from the curriculum Discovering Healthy Choices (DHC) as well as cooking demonstrations from Cooking up Healthy Choices (CUHC). This pilot will be complete at the end of FFY19. The second model is a 3-year pilot to evaluate program effectiveness when students are exposed to the garden-enhanced curriculum Nutrition to Grow On (NTGO), followed by the SHCP curricula and program activities, split over two years. Six classrooms in two schools from two counties participated in Y1 of the pilot. This pilot will be complete at the end of FFY20.

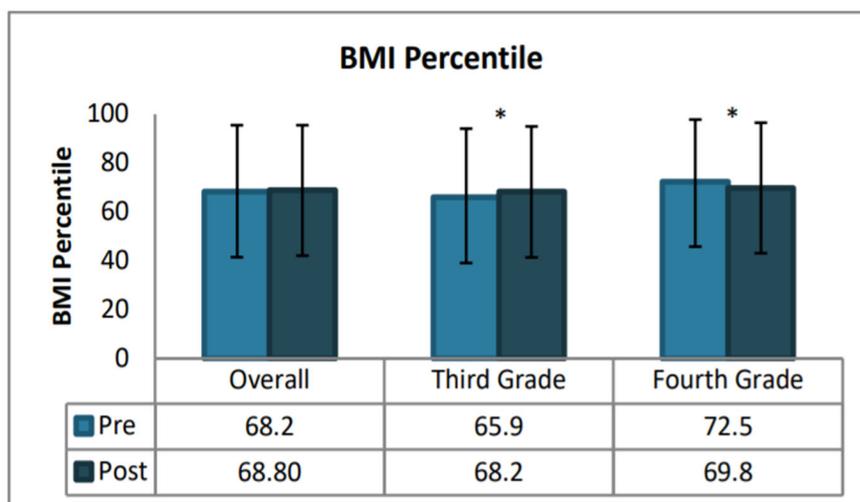
A total of 49 fourth grade students completed pre- and post-nutrition knowledge assessments and a statistically significant increase in nutrition knowledge was observed from pre-implementation to post (pre = 17.8 ± 3.1 ; post = 20.3 ± 4.1 ; $p < 0.001$). (SHCP Figure 1).

SHCP Figure 1: Differences in Nutrition Knowledge Pre-Post-Implementation In 4th Grade Students.

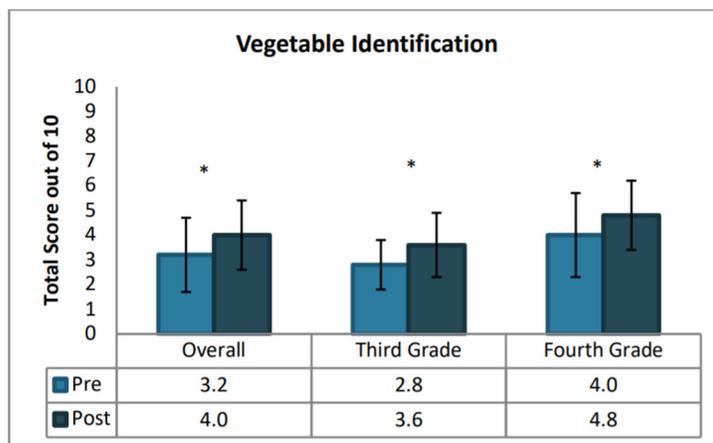


The implementation of the SHCP in the Butte Cluster resulted in many positive outcomes including increased nutrition knowledge and improved BMI percentile in fourth grade students (SHCP Figure 2). Student ability to identify vegetables also increased significantly (SHCP Figure 3). A total of 135 students completed pre- and post-assessments (third grade n = 84, fourth grade n = 51). A statistically significant increase in overall vegetable identification was observed from pre-implementation to post-implementation in both the third grade group (pre = 2.8 ± 1.0; post = 3.6 ± 1.3; p < 0.001), and the fourth grade group (pre = 4.0 ± 1.7; post = 4.8 ± 1.4; p = 0.01).

SHCP Figure 2: BMI Percentile



SHCP Figure 3: Vegetable Identification by Treatment Group



In FFY18, the SHCP was implemented in four schools in the Butte County Cluster. Students in 13 classrooms received nutrition education as part of the SHCP. Of these four schools, three participated in a pilot to assess SHCP implemented in novel ways. The first model is a 2-year pilot with the goal of evaluating program effectiveness when the full curriculum and program activities are split across two years. Five fourth grade classrooms in one Butte County school participated in year 1 of the pilot and received inquiry based, garden-enhanced nutrition education from the curriculum Discovering Healthy Choices (DHC) as well as cooking demonstrations from Cooking up Healthy Choices (CUHC). This pilot will be complete at the end of FFY19.

The second model is a 3-year pilot to evaluate program effectiveness when students are exposed to the garden-enhanced curriculum Nutrition to Grow On followed by SHCP curricula and program activities, split over two years. Six classrooms in two schools from two counties (Sutter and Yuba) participated in year 1 of the pilot. This pilot will be complete at the end of FFY20. It is hypothesized that a 3-year implementation may increase subject retention, while both pilots concurrently address the need to split the program into more manageable sections.

i. **Ongoing and New Projects that were Operational During the Reporting Year Identified by Primary Approach (Specify Approach: Direct, Indirect, Social Marketing, Policy, Systems, or Environmental Changes):**

Describe progress in achieving in your FFY 2018 Integrated Work Plan (IWP). In addition to direct and indirect education provided, describe progress toward implementing more comprehensive programs and adding policy, systems and environmental strategies to sites where education is already being provided. Also describe progress made toward implementing physical activity related programming. Note activities that were new this year.

Oroville City Elementary School District Plate Waste.

UC CalFresh and Oroville City Elementary School District (OCESD) continue to make strides in their efforts to get students make healthy food choices at school. In FFY 17, smarter lunchrooms strategies were adopted in the district to nudge students to make healthy choices using signage and offering more fruit and vegetable variety to the daily menu. Schools participating in USDA school meal programs are faced with regulations that dictate what foods kids can take as components of reimbursable meals. While these regulations require that the healthier foods be on the tray in order for the meal to be fully reimbursed, many students simply throw away unwanted components of the meal once they leave the lunch line. Thus the fruits and vegetables that kids toss are not providing them with any nutritional benefits; instead, they are adding to the cafeterias waste! Measuring tray waste can give insights into what foods kids are eating and what foods are being thrown away. In order for the healthy foods to give students nutritional benefits, they must first eat them. In FFY18 UC CalFresh and Oroville City Elementary School District completed Tray Waste Analysis 18 times at various sites over the 2017/18 school year. Our goal was to better understand what items the students consumed and what items had higher percentages of waste. Baseline Data Outcomes:



- When more fruits and vegetables were offered the waste is decreased.
 - When the first tray waste analysis was performed in November of 2017 the students were polled and the result was that the bread used for the sub sandwiches was disliked. The bread was changed and the waste decreased by approximately 5%.
 - Students least preferred vegetable is peas. Peas were removed from the menu after the November 2017 analysis.
 - When ranch was offered with carrots the waste amount decreased by over 15%.
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Local School Wellness Policies

Marysville Joint Unified School District School Wellness Policy Council (Yuba County)

The Marysville Joint Unified School District (MJUSD) School Wellness Council leads the district's wellness charge with meeting three times a year to advise on training, School Wellness Policy (SWP) implementation needs, and future wellness goals. As a result of the SWP evaluation from the 2016-2017 academic year, some next steps were identified and a Nutrition Ad hoc Committee was established to focus on nutrition education and physical activity integration into MJUSD schools during the 2017/18 academic year. Chelsey Slattery, NFCS Advisor in the Butte Cluster is the Chair of the Nutrition Ad hoc Committee. Offering nutrition education focused teacher learning academies during the 2017/18 academic year was one idea that the Nutrition Ad hoc Committee came up with to integrate nutrition education and physical activity integration into MJUSD schools. The committee had their first meeting in Sept 2017 and were able to deploy this idea by scheduling a dozen Academies with MJUSD Education Services that would be implemented throughout the 2017/18 school year. The teacher academies were offered by Local Implementing Agencies (LIAs) that serve on the MJUSD SWP Ad-Hoc Committee. The LIAs who joined forces to implement the twelve Academies included, UC CalFresh, Dairy Council of CA, and Center for Healthy Communities. Potential marketing strategies were also explored as a way increasing awareness of the district's SWP through the disseminate SWP information to administrators, teachers, staff, and parents.

During the 2017/18 academic year, UC CalFresh also collaborated with Amber Watson, the Marysville Joint Unified School District (MJUSD) Food Service Director, the Center for Health Communities, and the Dairy Council of California to assist 21 MJUSD schools in evaluating the implementation of the School Wellness Policy (SWP) at the site level. The district's current Student Wellness Policy requires annual evaluation and board updates on compliance and initiatives around wellness in MJUSD schools. This was the third consecutive year that data were collected using MJUSD's Wellness Policy Annual Evaluation Tool. The data that was collected from the 21 MJUSD schools was used to identify best practices and areas that were in need of improvement. The subsequent results are from data collected in May of 2018 and are reflective of the 2017/18 school year.

The tool that was used to evaluate the SWP uses a scoring scale of 0-2 (0 = Needs Improvement, 1 = Meets Expectations, and 2 = Exceeds Expectations). A total score of 48 indicated that the school meets all expectations in all 6 categories and a score of 96 (highest possible score) indicated that the school exceeds all expectations in all 6 categories. The 6 categories that are measured in MJUSD's Annual Wellness Policy Evaluation are: 1) Overview of Health and Safety, 2) Physical Education, Nutrition Education, and Other School Based Activities, 3) Nutrition, 4) Staff, Community, Parent and Volunteer Involvement, 5) Student Organizations and ASB, and 6) Health Services.

Some of the highlights from the 2017/18 academic school year when compared to the 2016/17 academic school year included:

Overall Improvement:

- During the 2017/18 academic year, the average total score (58.95) for the 21 sites evaluated increased by 42.7% when compared to the average total score (41.3) from the 2016/17 academic year.
- **Nutrition Services:** There were 9 questions with 18 points possible. If all questions were answered as “meets” expectation, score would be 9. If all questions were answered as “exceeds” expectation, score would be 18. Overall, the average score in this section increased from 12.95 to 16.4.
- Summer Meal Programming also increased by 149%.
- **Physical Education/Nutrition Education/School Based Activities:** There were 7 questions with 14 points possible. If all questions answered as “meets” expectations, score would be 7. If all questions were answered as “exceeds” expectation, score would be 14. Elementary scores slightly decreased from 7 to 6.7 and Intermediate/High slightly increased from 7.5 to 7.6.
- **Students, Organizations and ASB:** There were 11 questions with 22 points possible. If all questions were answered as “meets” the expectation this would correlate to a score of 11. If all questions were answered as “exceeds” expectation, score would be 22. Overall, the average score in this section increased from 9.75 to 12.4.

Site Level Goals:

- Eight schools reported classroom donations of food as a top priority.
- Six schools mentioned the need for a designated PE teacher and/or additional training for physical activity promotion.
- Six schools also reported a desire to see a better integration of nutrition, health and wellness into curriculum.
- Five mentioned the goal of improving modeling of healthy behaviors among teachers and staff.

Next Steps:

- The Nutrition Ad hoc Committee has plans to send out a survey during the 2018/19 academic year to MJUSD staff and parents to collect data on their awareness of the school wellness policy and its requirements. Data from the staff and parent surveys will help the Nutrition Ed Ad hoc Committee develop a wellness flyer or brochure and decide on the best method to disseminate the information to staff, parents and key stakeholders.
- MJUSD also plans to make revisions to the student approved food and beverage list. This revised list will allow schools to sell food during the school day for fundraisers. Nutrition Services will provide training and support to ASBs. Food items that meet the nutrition criteria are often difficult to find in the grocery stores and Nutrition Services has access to the right foods at better prices.

Barry School Learning Garden Relocation Project

Barry Elementary School is a small (K-8th grade) school with just under 600 students located in Sutter County. In September of 2017, Butte Cluster's UC CalFresh Nutrition Education Program partnered with Ms. Donovan, Barry School's Garden Lead and Elementary School Counselor to submit a grant proposal for the Lowes Tool Box for Education Grant. The \$3,500 grant was successfully awarded in January of 2018. This grant assisted Barry Elementary School in relocating their school's Learning Garden to a new location on the school campus. With the assistance of UC CalFresh, the school coordinated two garden workdays in FFY17 to assist in relocating the garden. Both work days had the School Principal, Vice Principal, Teachers, School Counselor, community partners and parent volunteers present. In FFY19 the Learning Garden will be used for two separate UC CalFresh pilot programs, 1) Year two of the NTGO and SHCP 3-year pilot, and 2) The Learn It, Grow It, Taste It curriculum pilot with Special Education and Special Day Classrooms. The relocation of the Learning Garden had spiked a great amount of interest

from teachers, parents and school administration and also made it possible for Barry School students, many of which are low-income, to touch worms, smell fresh herbs, taste new foods, and see the beauty of growing healthy foods in their own community.



Before



After

Making Every Dollar Count

In FFY18, 285 MEDC participants were surveyed in three Butte Cluster Counties (Sutter, Yuba, and Butte). This is 79% more participants than the previous fiscal year. The data show that not only were the number of participants greater, but that the participant outcomes were also positively impacted. All four SMART objectives were met and the vast majority of participants (93%) felt the MEDC program was well worth their time (marked 4/5 out of 5). There were also statistically significant differences in the before and after mean scores indicating improvements in all 10 retrospective knowledge questions included within the survey. The data from this year's MEDC intervention have identified evidence-based behavior change techniques relevant to the intervention's behavioral SMART Objectives and show that participants have committed to the adoption and maintenance of healthy behaviors. Healthy behavior change is central in obesity prevention and MEDC interventions in the Butte Cluster have proven to be successful in initiating positive behavioral changes.

Growing Healthy Children Free Walk/Run

The 2018 Growing Healthy Children Walk & Run brought together approximately 400 people from throughout the region. The purpose of the annual Growing Healthy Children Walk/Run in Chico, CA, is to heighten the community's awareness of the need for good nutrition and physical activity as a part of a healthy lifestyle. Growing Healthy Children, Chico has been a no-cost event for families in our community for the past decade, thanks to generous community support. Participants chose between a 1-mile or 5k course through beautiful Bidwell Park. For the past 12 years, the event has been hosted by a community collaborative. Planning partners this year included the UC CalFresh Nutrition Education program, Ampla Health, Enloe Medical Center and Rabobank. In addition to the walk/run, families were invited to stay and enjoy activities designed to teach families and children about healthy eating and physical activity habits to help them grow and live well.



Playground Stencil Projects

Four new playground stencil projects were completed to improve access and quality physical activity. Projects were completed in Butte, Glenn, and Sutter Counties in collaboration with school administration, staff, and families. Playgrounds are designed to provide students opportunities to practice different locomotor skills, and areas that promote both group and individual physical activity. In addition to physical activity components, the design links back to concepts the children discover in their classroom by including sight words, patterns and numbers, including elements like the MyPlate, concepts from UC CalFresh nutrition and gardening curricula as well as District Wellness Policy standards and concepts. By creating a multifaceted design, UC CalFresh Butte Cluster expect that students will be more physically active during free play, and will have more opportunities to practice physical activity skills learned in class. To maximize both free play and meet PA state standards, administrators and staff participate in a two hour CATCH training. Teachers can use the stenciled areas to implement CATCH curricula as a part of their physical activity lessons, or they can incorporate physical activity into more of their other classroom activities and use the playground area as an extension of their classrooms. UC CalFresh is working closely with the UC CalFresh Statewide Office to assess the impact of stencils and CATCH trainings on school environments. The results of the pre and post data gathered in FFY 18 will be available for the FFY19 report.



Developing an Inclusive Nutrition and Physical Activity Program for Individuals with Cognitive and Physical Disabilities

Background: Children and adolescents with physical and cognitive disabilities tend to have a higher prevalence of overweight compared to their non-disabled peers. According to the Centers for Disease Control, obesity rates for children (ages 2-17) with disabilities are 38% higher than for children without disabilities. This was determined from the results of the 2003-2008 National Health and Nutrition Examination Survey. Obesity and disability are health conditions that have been increasing globally and growing evidence suggests that there is a strong link between the two.

Objectives: 1) To develop and distribute an online survey for special education and special day class teachers aimed at identifying the need for and barriers to integrating nutrition and physical activity resources into their classrooms. 2) To develop and pilot a curriculum aimed at providing equal access to and opportunities for healthy living to individuals with cognitive and physical disabilities.

3) To help learners become enthusiastic about nutrition, cooking, gardening and physical activity and to make sure that all individuals, including children and adults with a disability, have equal opportunities to lead a healthy lifestyle that includes regular physical activity and good nutrition.

Methods: 1) An online survey was sent out to special education teachers across 17 California school districts to identify the need for and barriers to integrating nutrition and physical activity resources into their classrooms.

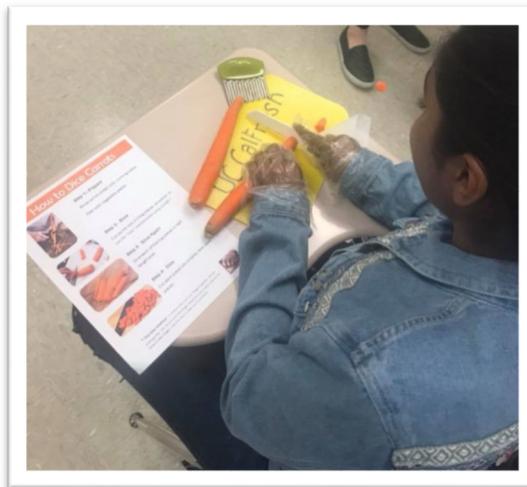
2) A pilot project was designed and piloted using a collaborative approach to create inclusive communities and provide individuals with disabilities opportunities for healthy living through the implementation of Learn It, Grow It, Taste It, a comprehensive health curriculum. There are twelve

lessons in the *Learn It, Grow It, Taste It* curriculum and each lesson has a cooking activity and/or a classroom activity. Activities in the curriculum aim to educate and engage learners in food preparation, food safety, nutrition, gardening and physical activity concepts that will contribute to their lifelong health and wellness. The cooking activities in the curriculum aim to expose learners to new textures, smells, and tastes and decrease selective eating in learners with abnormal sensory processing.

Results

Needs Assessment: Of the teachers that were surveyed, 90% reported that their students receive too little nutrition education. The top barriers that were identified as obstacles for more fully integrating nutrition into their classrooms included: time within the school day, lack of resources/materials, and funding.

Pilot Project: In FFY18, the Pilot Project was implemented in 4 Special Day Classrooms (2 control sites and 2 intervention sites). It is anticipated that this pilot will be offered to a total of 9 groups in FFY19. The 9 groups consist of 5 classrooms, 2 community sites and 2 control groups. Pilot Project data are forthcoming. It is hypothesized that increases will be identified in the following: 1) Willingness to try new foods, 2) Ability to identify fruits and vegetables, and 3) Likelihood that participants will ask for new foods at home. This Pilot Project is being lead by Butte County's NFCS Advisor.



ii. Program Successes and Major Achievements

CATCH adopted by Williams Unified School District and CES Supervisor became one first CATCH Master Trainer.

Coordinated Approach to Child Health (CATCH): Williams Unified School District adopted the CATCH curriculum as the primary physical activity curriculum for grades Transitional K - 8th. In FFY 18 Williams Unified School district announced that funding would be cut for the districts Physical Education Program impacting the health of approximately 1,450 youth. The relationship between Williams Unified and UC CalFresh aided in the district's decision to select CATCH as their primary physical activity curricula in response to the loss of the district PE Specialist. UC CalFresh provided training and technical assistance to 34 William's Upper and Lower Elementary School teachers in FFY 18 to prepare them for implementation scheduled for FFY19. Teachers received a 4 hour comprehensive CATCH training at the school years end in early June, and received a refresher training at the beginning of the school year in August. Teachers engaged in grade appropriate games that develop the local motor skill appropriate for their students' ages and stages. Additionally, UC CalFresh provided 6 week units for each grade to assist teachers with meeting the California physical education content standards. The CATCH PE games are designed to include scaffolding to develop youth skills and include specific content standards.

iii. Partnerships and Coalitions

Butte Cluster actively seeks opportunities to partner with others to leverage resources to best meet the needs of the communities that they serve. In FFY18 significant partnership and collaboration occurred with the Growing Healthy Children Walk/Run event, the Student Agricultural Field Day, the Teens as Teachers Cooking Academy and the Butte County Master Gardener program. Butte Cluster continues to meet with funded partners in each county on a quarterly basis.

Partner Title	A. Number of Partners You Work With this Reporting Year	B. Assistance Received If Applicable (Use Codes)	C. Assistance Provided If Applicable (Use Codes)	D. Intervention Type(s) With Partner's Involvement (DE, SM, and/or PSE) (Select All That Apply)
Agricultural organizations (includes farmers markets)	2	D, E, H, M, P	E, H, I, P, R, S	DE, PSE
Faith-based groups	1	P, R, S	I, M, P, R	DE
Government program/agency (Federal, State, local, etc.)	1	F, M, P, R, S	E, F, I, M, P, R	DE
Hospitals/healthcare organizations (includes health insurance companies)	1	F, P, S	P, R	DE
Labor/workforce development groups	2	E, I, P, R, S	E, I, M, P	DE
Public health organizations	1	D, E, F, M, P	D, E, F, M, P	PSE
Schools (preschools, K-12, elementary, middle, and high)	15	D, E, F, I, M, P, R, S	D, E, F, H, I, M, P, R, S	DE, PSE
Schools (colleges and universities)	1	D, E, H, M, P	E, H, I, P, R	DE, PSE
Other (please specify):	3	E, F, H, I, M, P, R, S	E, F, H, I, M, P, R	DE
Total	27	N/A	N/A	N/A

SNAP-Ed Eligible Schools: In FFY18, the Butte Cluster partnered with 15 schools in various capacities to implement both direct education and PSE intervention strategies. These partnerships included:

- Working with Food Service Directors on the implementation of the Smarter Lunchrooms Movement and Local School Wellness Policies
- Partnering with school administration to establish or reinvigorate garden space to increase access to and consumption of fruits and vegetables.
- Working to improve quality and quantity of physical activity at school with CATCH trainings and Stencil Projects.

Department of Education and Social Services: A unique relationship was established 5 years ago with the Department of Education and Social Services (DESS) in Butte County. After many years of hosting adult classes, DESS requested an online program that would meet the various schedules and interest of their students. As a result, DESS adopted the Making Every Dollar Count (MEDC) Series. Through monthly training and technical assistance, DESS offers the MEDC program online to interested students. Students print chapter quizzes to receive reinforcements from DESS Life Lab monitor. Upon completing the MEDC lesson series, students receive a certificate of completion on certificate paper which is signed and awarded by DESS. DESS graduates an average of 50 students each year.

Student Agricultural Field Day/Agribee: As a result of being housed in the University of California Cooperative Extension (UCCE) offices in Butte, Colusa, Glenn, Sutter and Yuba Counties, UC CalFresh has strong ties to the agricultural community. For the past 10 years, UC CalFresh in the Butte Cluster has hosted a Student Agricultural Field Day (SAFD) at the Patrick Ranch Museum in Durham, CA

followed by an agriculture spell and defined bee known as the Agribee. The Agribee is a spell and define bee, using agriculturally related words, for fourth and fifth grade students. These events are made possible through the collaboration with the Butte County farm Bureau and the financial sponsorship that is received from the Support Group Butte County Cooperative Extension.

The goal of both the SAFD and the Agribee is to increase agricultural literacy and knowledge of local commodities for students in Butte County. UCCE Farm Advisors, UC Master Gardeners, and the Butte County 4-H Youth Development Program hosted five stations at the 2017 SAFD. Station topics included: walnuts, rice, honeybees, entomology, and biosecurity. Fourth-grade classes from Butte County schools that participate in the Shaping Healthy Choices Program, which has strong ties to agriculture and gardening, were invited to attend and rotate through the stations. This event provides a unique learning experience for students, teachers, and adult chaperones by allowing them the opportunity to interact with livestock, gardens, and acres of open space.

A subset of 4th-grade students were surveyed prior to and after attending the 2017 SAFD event. When comparing pre-test and post-test class survey scores for students who attended SAFD (n = 46), the average pre-test % was 28.0 and the average post-test % was 55.0, yielding a % difference of +27.0. While this % difference is positive, it was also found to be statistically significant. The following includes some highlights in pre/post survey scores. Overall student knowledge of the gender of worker bees increased from pre = 15% to post = 81%. Student awareness that insects have three pairs of legs increased from pre = 26% to post = 54%. Student understanding that the outermost covering of a walnut is the hull increased from pre = 9% to post = 77%. Student understanding that biosecurity helps to prevent the spread of disease and keep humans and animals healthy increased from pre = 52% to post = 79%. Student understanding that rice is grown in the Sacramento Valley increased from pre = 35% to post = 48%. These results indicate that there was a significant increase (p = 0.0042) in student knowledge as a result of participating in the 2017 SAFD.

"Local agriculture is such a huge part of Butte County. This event ties in really well with what we're learning in the classroom. The students love being here and experiencing these things firsthand."

- Mrs. Stanley, 4th grade teacher at Oakdale Heights Elementary

Additionally, working closely with the expertise of UCCE by partnering with UC MG to develop a simple and effective garden curriculum designed for success in gardening regardless of skill or knowledge. Additionally, UC MG increased program reach through the extender model.

iv. Major Setbacks and/or Challenges

Three staff vacancies including a supervisor position in the Sutter-Yuba UCCE office presented challenges for the Butte Cluster in FFY18. Staff vacancies were attributed to a staff member retirement, a staff promotion to a UC ANR State Office position, and a staff member being accepted into a teaching credential program. Though these vacancies were celebratory, the impact on the remaining staff and the new NFCS Advisor was significant. The NFCS Advisor, management/supervisory staff and seasoned nutrition educators were tasked with maintaining program implementation including planned PSE activities, responding to new opportunities positively, and recruiting of new staff while providing training and support to newer staff members. The decline in program reach in FFY18 can be partially attributed to staffing.

The Butte County UCCE nutrition office space became significantly compromised this year by a break-in, a rodent infestation, flooding, peeling lead paint and asbestos. Food production was suspended for 3 months, paper documents and supplies were damaged as was the building. Relocation to another level of the building was time and labor intensive for staff. Negotiations with county department heads to determine office relocation options for the Butte County nutrition education staff involved coordination with Butte County Director and multiple County department heads. Several office options were presented and discussed. Building renovation of an old and poorly maintained building wing became the only viable option for relocating 11 nutrition education staff members and the new NFCS Advisor.

Gardening programming at a newly reinvigorated school garden at Murdock Elementary School in Willows came to an abrupt halt with the detection of E.coli in the water system at the school. Some classroom garden lessons were maintained however, the school garden remains closed.

v. Program Needs Not Addressed and Why

The Butte Cluster youth engagement projects were limited in FFY18. Staff vacancies created challenges in the Butte Cluster’s capacity to take on another project/program even when the opportunities were in reach. New staff expressed a need to learn at a slower pace and to receive training and mentoring as they learned their position duties. Glenn County Master Gardener Program support was very limited in scope. With the closing of Murdock Elementary School garden, the MG volunteer was unable to provide support as planned.

vi. Trainings

FFY18 Trainings Conducted by UC CalFresh Nutrition Educators to partners to enhance SNAP-Ed interventions in the Butte Cluster

Purpose	Participants	Duration	# Times	# Attendees
No Prep Nutrition Education Kits	Teacher Extenders at: <ul style="list-style-type: none"> ● Paradise USD, Butte ● Chico USD , Butte ● Gridley USD, Butte ● Biggs USD, Butte ● Oroville City USD, Butte ● Palermo USD, Butte ● Pioneer USD, Colusa ● William USD, Colusa ● MJUSD, Yuba ● YCUSD, Sutter ● Orland Joint USD, Glenn ● Capay Joint USD, Glenn ● Willows USD, Glenn 	30 Minutes-1 hour	202	129
MJUSD Nutrition Services Trainings	<ul style="list-style-type: none"> ● MJUSD food service staff ● Dairy Council of California ● Center for Healthy Communities ● Yuba County Public Health 		1	
SM - Taking Nutrition Education to the Next Level with Dairy Council Curriculum		1 Hour	1	10
SM - Easy Ways to Promote Physical Activity in the Classroom		1 Hour	3	10
SM - Shaping Healthy Choices: A Comprehensive Approach to Nutrition Education in Grades 3-6th		1Hour		10

Purpose	Participants	Duration	# Times	# Attendees
SM -Healthy and Complete Breakfast: Setting up Students and Parents for a Successful School Day		1 Hour	1	10
Snack Time and Healthy Celebrations			1	
Helping our Students Re-think Their Drink		1 Hour	1	10
CS - Nutrition 101 for MJUSD Food Service Staff		1 Hour	1	10
		5.5 hours		90
TWIGS	<ul style="list-style-type: none"> • Little Chico Creek Teacher Extenders • Paradise Teacher Extenders • Oakdale Heights Teacher Extenders • UC Master Gardener Extenders 	30 minutes-1 hour	7	21
Light Bulb to Garden Trainings	<ul style="list-style-type: none"> • Butte Cluster • Sacramento Food Bank and family Services • Foodlink in Tulare • Mark Twain Elementary School 	1 day	4	93
Understanding UC CalFresh	<ul style="list-style-type: none"> • Chico State Students 	50 minutes	1	30
YCUSD Kelle Nelson PE Specialist Workshops-CATCH	PE Specialist	30 minutes	7	12

Purpose	Participants	Duration	# Times	# Attendees
CATCH Trainings- Elementary Teachers	<ul style="list-style-type: none"> • Camptonville Elementary • Williams Lower • Williams Upper • Shady Creek Naturalist • Mill Street • Stanford Ave School 	2 hour	7	50
SLM Scorecards	Tami Deal, FS Clerk OCESD Robbins Elementary Johnson Park	30 minutes- 1 hour	1	3
KH - North Coast and Cascades Promising Practice Exchange: Seasons and Reasons: Growing Cool Weather Vegetables During the School Year	<ul style="list-style-type: none"> • CDPH • LHD • Action for Healthy Kids • CA Department of Education 	6 Hours	3	20

vii. Conference Presentations and Posters, Publications

Date	Type	Description	Link
October 2017	Print	UC Delivers: Butte County Cluster's EFNEP and UC CalFresh Collaborate to Help Farm Labor Families Achieve Success.	http://ucanr.edu/delivers/?impact=1037&a=0 http://williamspioneer.com/article/83236
February 2018	Print	UC Delivers: Leveraging Cooperative Extension to Increase Youth Knowledge of Agriculture.	http://ucanr.edu/delivers/?impact=1062&a=0
March 2018	Print	UC Delivers: UC CalFresh and 4-H Partner to Develop a Generation of Student Chefs.	http://ucanr.edu/delivers/?impact=1054&a=0
January 2018	Poster	Professional Development Increases Educator Confidence to Teach Nutrition. Poster Session: SNAP-Ed Local Implementing Agency Forum 2018. Sacramento, California.	https://custom.cvent.com/C506006261F8428CB7CB91AAA9A05B4/files/54af430e4a1b43bb9a2d632fa11c337e.pdf
March 2018- September 2018	Blog	14 blog posts with 445 hits were published during FFY18	https://ucanr.edu/blogs/ButteClusterNutritionBlog/index.cfm
January 2018	Print	School Health Check	https://snaped.fns.usda.gov/success-stories/school-health-check

Date	Type	Description	Link
February 2018	Poster	Progression through Partnership: Adaptation of the Shaping Healthy Choices Program through Partnership with the UC CalFresh Nutrition Education Program. Poster Session: 2018 Nutrition Update. Davis, California, 2018 UC ANR Statewide Conference, and 2018 American Society of Nutrition Conference.	http://ucanr.edu/sites/statewideconference2018/Posters and Displays/
February 2018	Poster Presentation	Nutrition, Gardening, and Physical Activity Integration into Special Education Classrooms. Poster Session: 2018 Nutrition Update. Davis, California.	https://ucdavis.box.com/s/56g3g1gm1vr94eg5fxr0380rawrtjcpo
February 2018	Print	UC CalFresh Weekly Update. UC CalFresh in Action! "The Hook" is "To Cook": EFNEP and UC CalFresh Team Up to Empower Youth at Orland Housing Facility. UCCE Butte Cluster. (Pg.4).	http://uccalfresh.org/weekly-updates/weekly-updates-2017/2-12-2018
March 2018	Print	UC CalFresh Weekly Update. UC CalFresh in Action! UC CalFresh and 4-H Partner to Develop a Generation of Student Chefs & Provide Elementary School Students with Culinary Opportunities, UCCE Butte County Cluster (Pg. 6).	http://uccalfresh.org/weekly-updates
April 2018	Poster	Poster Title: Evaluation of the Shaping Healthy Choices Program through Nutrition Knowledge Data and Comparison to an Extender Model Pilot. Poster Session: 2018 UC ANR Statewide Conference. Ontario, CA.	http://ucanr.edu/sites/statewideconference2018/Posters and Displays/
April 2018	Poster	Poster Title: Healthy Choices in Motion Increases Physical Activity Knowledge in Butte County. Poster Session: 2018 UC ANR Statewide Conference. Ontario, CA.	http://ucanr.edu/sites/statewideconference2018/files/287423.pdf
April 2018	Poster	Poster Title: Leveraging the Expertise of UC Cooperative Extension to Increase Youth Knowledge of Agriculture and Local Commodities. Poster Session: 2018 UC ANR Statewide Conference.	http://ucanr.edu/sites/statewideconference2018/files/287424.pdf
April 2018	Poster	Poster Title: Farmworker Institute of Education & Leadership Development Partners with EFNEP to Provide Participants GED Credit. Poster Session: 2018 UC ANR Statewide Conference. Ontario, CA.	http://ucanr.edu/sites/statewideconference2018/files/287425.pdf
April 2018	Poster	Poster Title: UC CalFresh and 4-H Partner to Serve up an Intensive Hands on Course of Study to Develop a Generation of Student Chefs. Poster Session: 2018	http://ucanr.edu/sites/statewideconference2018/files/287422.pdf

Date	Type	Description	Link
		UC ANR Statewide Conference. Ontario, CA.	
January 2018	Print	United States Department of Agriculture. California Success Stories. School Health Check	https://snaped.fns.usda.gov/california-success-stories#CASchoolCheck
November 16, 2017	Print	Kids learn about food and farm at Agriculture Field Day	https://www.chicoer.com/2017/11/16/kids-learn-about-food-and-farm-at-agriculture-field-day/
September, 2018	print	Fitness takes center stage at Williams Unified. Partnering with UC CalFresh to adopt CATCH as district PA curriculum.	https://www.appeal-democrat.com/colusa_sun_herald/news/fitness-takes-center-stage-at-williams-unified-high-school/article_9be3eac0-b0a3-11e8-b1d5-936c41b4258e.html
February 12, 2018	Print	"The Hook" is "To Cook": EFNEP and UC CalFresh Team Up to Empower Youth at Orland Housing Facility, UCCE Butte Cluster. UC CalFresh Weekly Updates.	http://uccalfresh.org/weekly-updates/weekly-updates/weekly-updates-2017/2-12-2018
November 2017	Video	CHIP Property Management and Resident Services highlights UC CalFresh Partnership	https://www.youtube.com/watch?v=qCSIH9QREKU
March 2018	Print	UC CalFresh and 4-H Partner to Develop a Generation of Student Chefs & Provide Elementary School Students with Culinary Opportunities, UCCE Butte County Cluster. UC CalFresh Weekly Updates.	https://fsnep.ucdavis.edu/publications/weekly-updates
February 2018	Social Media	Yuba City Unified School District highlighted EFNEP classes on their Facebook page. "California Agriculture & Natural Resources held the first of seven Nutritional Educational classes for parents at King Avenue. Parents had the opportunity to learn more about, nutrition, healthy lifestyle choices, food preparation, food safety and food resource management."	https://www.facebook.com/YCUSD/posts/1811305668941941

Nutrition News in the Butte Cluster Blog Posts	
March 2018	<u>UC CalFresh Partners with Chico State's Crop Science & Horticulture Club to Reinvigorate Oakdale Heights Elementary School's Learning Garden</u>
March 2018	<u>Improving California's Health Through SNAP-Ed In Butte, Glenn, Colusa, Sutter & Yuba Counties</u>
March 2018	<u>UCCE Partners with Kidding Around Yoga to Promote Healthy Eating and Active Living in Sutter County!</u>
March 2018	<u>Barry Elementary School Receives Lowes Tool Box for Education Grant</u>
March 2018	<u>UC CalFresh and 4-H Partner to Develop a Generation of Student Chefs</u>
March 2018	<u>UC CalFresh Co-Chairs the Annual Growing Healthy Children Walk/Run for the 5th Year!</u>
April 2018	<u>UC CalFresh in the Butte Cluster Partners with Oakdale Heights Elementary to Promote Active Living by Encouraging Students to Walk & Bike to School</u>
April 2018	<u>UC CalFresh Collaborates with Community Partners and School Site Staff, Parents and Volunteers to Implement Stencil/Mural Projects Aimed at Improving the Quality of Physical Activity in School Settings</u>
April 2018	<u>Barry Elementary School Garden Build Day</u>
April 2018	<u>UC ANR Partners with Marysville Joint Unified School District to Offer a Nutrition 101 Course for Nutrition Services Staff</u>
July 2018	<u>Whether you are planting a home garden, school garden, or a small farm, pollinators may be the key to your success! Here's why!</u>
August 2018	<u>Fit Quest Family Camp Increases Families Desire to Eat Healthy and Be Active</u>
August 2018	<u>The Butte Cluster Receives the UC ANR STAR Team Award</u>
September 2018	<u>Physical Activity is NOT Frivolous</u>

viii. Use of Marketing Materials, Websites, Facebook, Blogs, etc.

Please describe use of County Tailored Marketing Materials, such as UC CalFresh County Profiles, websites, Facebook, Blogs, etc.

The Butte Cluster UC CalFresh Nutrition Education Program continued to promote its work and USDA messaging through the use of Facebook, Twitter, Instagram, and Pinterest. Followers on these sites include; teachers enrolled in the program, former class participants, partnering agencies, and members from the local community.

Type	Account	Notes
Facebook	<u>https://www.facebook.com/pages/UC-Cal-Fresh-Nutrition-Butte-Colusa-Glenn-Sutter-Yuba-Counties/437490036349608</u>	239 followers
Instagram	@uccalfreshbuttecluster	80 followers
Twitter	@uc_nutrition	117 followers
Pinterest	<u>http://www.pinterest.com/ucnutrition/</u>	13 followers

ix. Awards Received

University of California Agriculture and Natural Resources (UC ANR) STAR Award

The Butte Cluster was awarded with the 2018 UC ANR STAR Team Award in June 2018 for their significant contribution to UC ANR's Healthy Families and Communities Strategic Initiative through the coordination and implementation of the UC CalFresh Nutrition Education Program and the Expanded Food and Nutrition Education Program in Butte, Glenn, Colusa, Sutter, and Yuba Counties.



<https://ucanr.edu/blogs/blogcore/postdetail.cfm?postnum=27478>

<http://ucanr.edu/blogs/blogcore/postdetail.cfm?postnum=27935>

Karina excellence by OH-Christy Lephert

Dear Ms. Hathorn,

I am writing to thank you for the great work you are doing with my class here at Oakdale Heights School. "Gardening with Miss Karina" is quite possibly the favorite subject in second grade this year! I am very pleased with the relationships that you are building with my students while teaching them lessons that excite them. The children enjoy your visits very much and connect well with you and the curriculum you present. I like the calm and friendly manner you have with them as well. Your peaceful presence is as welcome as the ideas and knowledge that you bring! Your enthusiasm for gardening, plants, and healthy eating is quite contagious, which is fantastic and just what these kids need.

Thank you again for the great help and resource you gave me by bringing the potting soil and watering cans for the planter box outside our room. It was absolutely fantastic to watch the children so happily engaged and enjoying working the soil with their little hands. In my experience, having your hands in the soil of the earth is one of the great joys of gardening, and so therapeutic as well. What a treat it was to see the children experience that same pleasure. Who knew that dirt could be such a thrilling gift!

The children have decided to plant the "Robin Hood" English Fava Beans from the seeds you brought them. It will be great fun to guide them through the process of growing food to study, eat, enjoy, and ultimately nourish our bodies. They are already talking about how fun it will be when we get to introduce our worms to our planter box. Your "Worm Hotel" lesson last week was undoubtedly a big hit! Each group had a turn to have the worm jar at their table this morning, and the observations and illustrations made for a fun return to school on a rainy Monday morning. I promised them that I would not forget to bring my coffee grounds tomorrow!

You are making a wonderful difference for these children. They eagerly anticipate your visits because you bring meaningful and interesting lessons that excite their curious minds. The students are learning so much about gardening and plants and healthy foods. They are absorbing the concepts that you teach because that's what kids naturally do when they are intrigued about something real, but also because you have such a kind, gentle way with the children. Children learn best when they feel safe and cared for, and you give them that. I am very grateful.

I hope you are having a fabulous week. We look forward to seeing you soon. Thank you so very much for all you do! You come to Oakdale teach children, but I want you to know that you are teaching me as well, and you are helping me become more knowledgeable about gardening and how to bring it to life in the classroom. I really appreciate it.

Sincerely,
Christy Lephart

Suzanne Lawry-Hall - Received the 2018 Women of the Year Recipient in September 2018

- **“Suzanne Lawry-Hall (Yuba City)** oversees the critical CalFresh Nutrition Education Program in five counties, which aims to improve the diet, nutrition, self-sufficiency, and overall health of CalFresh recipients and their families. Under her supervision the UC CalFresh Nutrition Education Program has made significant gains in its outreach and education to low-income families, increasing youth participation by 10,104 and adult participation by 1,872”.
- <https://garamendi.house.gov/women-year-recipient-2018>



Shyra Murrey Recognized as a CATCH Master Trainer by CATCH Global



March 15, 2018

Chelsey Slattery, MS

Nutrition, Family & Consumer Sciences Advisor

University of California Cooperative Extension

14A Garden Highway

Yuba City, CA 95991

Dear Ms. Slattery:

This letter is to congratulate and certify Ms. Shyra Murrey as a CATCH Physical Education Community Master Trainer. As a CATCH Physical Education Community Master Trainer Ms. Murrey is certified to train and certify trainers within the UC CalFresh Nutrition Education Program and with support and coordination from the state office other California SNAP- Ed programs on the CATCH Physical Education Component.

Ms. Murrey's eagerness to advocate for children's and adult health along with her willingness to educate others are impressive. She practices what she teaches and is a positive role model for your nutrition educators. She lead by example and made it clear she is committed to the success of the CATCH Physical Education Component. In addition, she engaged this group of nutrition educators very well. I particularly liked the way she down played competition providing doable alternatives to winning, losing and picking teams.

Ms. Murrey's commitment to CATCH Physical Education and the integrity of the CATCH Program is commendable. CATCH is fortunate to have Ms. Murrey as a CATCH Physical Education Community Master Trainer.

Finally, I would like to extend my appreciation to you and your team for the hard work and dedication to building a quality program and helping children develop healthy habits for a life time. I look forward to continuing my association with UC CalFresh and the SNAP-Ed Program in California.

Sincerely,

Peter Cribb, M.Ed.

CATCH Program Director

D. Key Evaluation Outcomes

PSE Activities

Projects undertaken in FFY18 successfully expanded comprehensive programming and contributed to maintaining program quality and partner engagement. This was demonstrated in multiple projects including 43 sites/organizations adopting a total of 217 new Policy, Systems and Environmental (PSE) changes with an estimated reach to more than 11,500 individuals in the Butte Cluster. PSE changes that were adopted included; establishing and/or reinvigorating school gardens in 21% of the Butte Cluster's PSE sites, increased access to and opportunities for structured physical activity in 35% of PSE sites, updating and implementing school wellness policies in 16% of PSE sites, and the implementation of the Smarter Lunchrooms Movement in 21% of PSE sites.

Making Every Dollar Count (MEDC) in the Butte Cluster

The Supplemental Nutrition Assistance Program (SNAP) helps give more than 23 million children the healthy food they need every day. While two-thirds of SNAP participants are children, elderly, and people with disabilities, who are not expected to work, SNAP also helps workers supplement low wages. The UC CalFresh Nutrition Education Program in the Butte Cluster is tasked with educating SNAP recipients on how to best spend their food dollars to ensure that they make their food budget stretch for the entire month. After participating in the MEDC program, participants are asked to complete a retrospective survey in which they rate their knowledge and skills on a scale of 1 (Low) to 5 (High) on concepts related to setting goals, resource management, meal preparation, and food advertising both *Before* and *After* the program. We defined "percent with Improved Knowledge" as the percentage of participants with any increase or improvement on the scale from pre- to post-program. For example, a participant could indicate BEFORE the program "Knowing simple healthy meals to make" is "1-Low" and then a "2" AFTER the program, and that participant would count as an individual with an increase in knowledge.

In FFY18, 285 MEDC participants were surveyed in three Butte Cluster Counties (Sutter, Yuba, and Butte). This is 79% more participants than the previous fiscal year. The data show that not only were the number of participants greater, but that the participant outcomes were also positively impacted. All four SMART objectives were met (refer Table 1 for more information), and the vast majority of participants (93%) felt the MEDC program was well worth their time (marked 4/5 out of 5). There were also statistically significant differences in the before and after mean scores indicating improvements in all 10 retrospective knowledge questions included within the survey. The data from this year's MEDC intervention have identified evidence-based behavior change techniques relevant to the intervention's behavioral SMART Objectives and show that participants have committed to the adoption and maintenance of healthy behaviors. Healthy behavior change is central in obesity prevention and MEDC interventions in the Butte Cluster have proven to be successful in initiating positive behavioral changes.

MEDC Participant Testimonials:

1) "I will be more careful when I shop. It is good to understand food ads." 2) "The program has taught me ways to save money." 3) "I am going to try and manage my money better along with my food stamps and make a list of things I want to buy and things I actually need." 4) "I plan to apply what I have learned through these workshops in my everyday life. Some of the things I've learned, I have already applied to my life."

MEDC Retrospective Pre (n = 285)	SMART Objective	Improvement Actual	Achieved Goal Yes or No
Knowing easy ways to save money on food	>50%	65%	Yes
Knowing simple healthy meals to make	>50%	61%	Yes
Understanding food ads	>50%	65%	Yes
Plan to use coupon	>50%	71%	Yes

UC CalFresh Butte Cluster reached 504 CalFresh eligible adults through a combination of single session workshops and series-based education. Of the 504 CalFresh eligible adults that were reached, 285 completed and/or graduated from the MEDC program and 11 completed and/or graduated from the Plan, Shop, Save and Cook (PSSC) program. Success in recruitment of adults for series-based education is attributed to the synergistic collaboration between UC CalFresh and the Expanded Food and Nutrition Education Program (EFNEP). Nutrition education staff coordinated programming and worked with agency directors to schedule EFNEP and UC CalFresh MEDC series to occur simultaneously. The collaboration between the two programs significantly increased the number of adults receiving Making Every Dollar Count (MEDC) lessons in FFY18. Participants in MEDC showed improvements in all evaluation measures and met all of the state SMART objectives and PSSC program participants showed significant improvements in their ability to plan meals, compare unit process, shop with lists, think about health choices, use nutrition facts' labels, use MyPlate, and not run out of food as often. Participants in PSSC also demonstrated significant improvements in all evaluation measures and all of the state SMART objectives were met.

Intent to Change Surveys

In FFY18 116 Snap-Ed eligible participants submitted Intent to Change (ITC) surveys in the Butte Cluster. The completion of an ITC survey is not designed to measure change in behavioral outcomes. However, the results do provide valuable information about SNAP-Ed participants and their current practices. They also demonstrated short-term indicators on a participant's readiness to change their behavior at the individual level. Of the 116 ITC's that were submitted, 28 were on the Five Food Groups (MyPlate). Prior to attending a workshop on MyPlate, only 14% of participants stated that they had ate from all 5 food groups over the past week. After attending the workshop, 86% of participants stated that they will eat from all 5 food groups each day which was a 96% improvement. The Five Food Groups ITC asks participants to share how the workshop will help them and their family and some of the responses that were submitted by participants after attending the workshops included:

- I will buy more vegetables.
- I will make healthier choices.
- I have already learned the 5 food groups and still trying to be better.
- I will help my family to understand the 5 food groups too.

Additionally, 21 of the ITC's that were submitted were on Sweet Beverages. Of these 21 individuals, 81% said that they would drink a sweet beverage less often after attending a workshop on sweet beverages. The Sweet Beverage ITC also asks participants to share how the workshop will help them and their family and some of the responses that were submitted by participants after attending the workshops included:

- "Seeing how much sugar is in the sodas will help me and my family cut back or quit."
- "Learning about the amount of sugar in our sodas is shocking."
- "It's scary to see so much sugar in my favorite soda. Need to stop buying it."
- "I always buy fruit punch for my family but after today, I won't buy anymore."
"Today's workshop will help us a lot because our family loves to drink sodas. I will share the information with them and we will stop buying it."

Although not always ideal, these data show just how impactful attending single workshops on the five food groups and sweet beverages can be.

E. Overall Assessment

The Butte Cluster successfully implemented planned program improvements outlined in the FFY17 Annual Report. Program delivery increased in Colusa County through the hiring of a full-time Community Education Specialist II who is housed in the Colusa County UCCE office. There were 66 program activities completed in Colusa County by 64 teachers/extenders and program volunteers contributing over 100 volunteer hours to the UC CalFresh Nutrition Education Program in Colusa County. Extender Model programming and food tastings in conjunction with lessons increased consumption of fruits and vegetables among Supplemental Nutrition Assistance Program Education (SNAP-Ed) eligible populations across the five county region (IWP Objective 1b) which was reflected in Teacher Tasting Tool (TTT) and Teacher Observation Tool (TOT) results. Technical Advising Professionals (TAP's) supported SLM of California activities to improve food environments at SNAP-Ed eligible sites as did the utilization of edible school learning gardens (IWP Objective 4a). Interactive stencil projects, CATCH integration by PE Specialists, school-wide *Healthy Me Jubilees* and *Walk to School* events contributed to improving environments and opportunities for physical activity at SNAP-Ed eligible sites (IWP Objective 5a). The overall theme that was recognized in FFY18 was the quality of direct education and increased progress toward implementing more comprehensive programming and adding policy, systems and environmental strategies to sites where education was already being provided.

The Butte Cluster implemented the following 7 pilot projects in FFY18: SHCP, NTGO, Up for It, garden assessment tools (2) and PA assessment tools (2). Butte Cluster staff expertise was shared with the larger SNAP-Ed and nutrition education community making significant positive contributions to the development of programs and educators statewide. Karina Hathorn, UC CalFresh Nutrition Educator/MG Coordinator collaborated with the UC CalFresh State Office and California Department of Public Health to design, develop and implement 2 day regional garden trainings and a Webinar to support edible community and school gardens. Shyra Murrey, Sutter-Yuba UC CalFresh Supervisor became the first CATCH Master Trainer to support the expansion CATCH regionally. Shyra Murrey was promoted to a State Office position with the Expanded Food and Nutrition Education Program (EFNEP) supporting the administration of our UC sister nutrition education program. Shyra Murrey's expertise in implementation of county based nutrition education programs has improved EFNEP State Office operations. Suzanne Lawry-Hall, Butte Cluster UC CalFresh Supervisor and Rita Palmer, UC CalFresh Nutrition Coordinator assisted the UC CalFresh State Office Evaluation Team with the development of the TOT Retrospective Evaluation for physical activity and the Stencil Assessment tool closing gaps in the collection of impacts of CATCH, SPARK and HCIM implementation. Jona Pressman, Butte Cluster Program Manager, served on interview panels for neighboring county UC CalFresh Programs, served on three UC CalFresh curricula groups/committees and served as an assessor for the UC Management Skills Assessment Program to develop future UC ANR leaders. Chelsey Slattery, new NFCS Advisor provided mentorship to the Stanislaus-Merced UC CalFresh Nutrition Education Program while experiencing a vacancy in their NFCS Advisor position and served as a mentor to three UC CalFresh Programs (Fresno, Shasta-Tehama, and Stanislaus-Merced) implementing the SHCP.

"Kudos to the State Office staff for their efforts in developing this garden training. The training was exactly what the staff have been looking for." *UC CalFresh Garden Training attendee.*

Butte Cluster's overall visibility in the county, region, state and beyond through publications and social media has expanded exponentially with the onboarding of the NFCS Advisor in the Butte Cluster.

In 1-2 paragraphs, please provide **your** overall impression and perspective about your program's performance for FFY 2018.

F. SNAP-Ed Planned Improvements

Partnerships with other UCCE programs (EFNEP, 4-H UC Master Gardeners, and Farm Advisors) were strengthened in FFY18 through the coordination and implementation of the UC CalFresh/4-H Cooking Academy Project, the 2017 Student Agricultural Field Day, the EFNEP/UC CalFresh partnership for adult programming, and the UC Master Gardeners/UC CalFresh partnership for school gardening. The Rice Advisor and UC CalFresh partnership also enhanced farmer in the Classroom efforts and helped educated students on how and where rice is grown. Overall, these partnerships contributed to the delivery and sustainability of the comprehensive UC CalFresh programming in the Butte Cluster.

The Butte Cluster will hire and onboard four new nutrition education staff members. Training of new staff and staff in new positions will strengthen the capacity of the Butte Cluster to maintain FFY18 program progress, expand pilot research, including a Special Education Curricula pilot. In addition, the Butte Cluster will review site lists for each county in the five county cluster and strategize where to focus and strengthen our efforts so that staff are positioned to make greater impacts in each region.
