

V(A). Planned Program (Summary)

Program # 10

1. Name of the Planned Program

Family and Consumer Sciences

- Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
701	Nutrient Composition of Food	0%		1%	
702	Requirements and Function of Nutrients and Other Food Components	0%		1%	
703	Nutrition Education and Behavior	20%		1%	
704	Nutrition and Hunger in the Population	0%		1%	
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources	5%		3%	
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	5%		36%	
722	Zoonotic Diseases and Parasites Affecting Humans	0%		1%	
723	Hazards to Human Health and Safety	0%		7%	
724	Healthy Lifestyle	25%		1%	
801	Individual and Family Resource Management	15%		0%	
802	Human Development and Family Well-Being	30%		34%	
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	0%		12%	
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	0%		1%	
903	Communication, Education, and Information Delivery	0%		1%	
	Total	100%		100%	

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	37.9	0.0	4.0	0.0
Actual Paid	43.7	0.0	11.6	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
1115790	0	134453	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
1115790	0	273211	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
1485669	0	109302	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Considering the breadth of this program, Extension and research will focus on numerous areas:

- healthy lifestyles education,
- proper food handling,
- family resource management,
- preparing a competent early child care workforce, and
- human development.

2. Brief description of the target audience

The audience for this program includes all Mississippians. Aspects of this program will target specific professionals or employees, such as food handlers (food safety) and early care/education providers (MSCCR&R). Other activities in this program--such as those focused on childhood obesity and human health and nutrition--will have a broader focus.

3. How was eXtension used?

The resources provided through eXtension were used to supplement and enhance our public learning experiences provided by MSU Extension agents and specialists. eXtension was also used as a resource in state-based planning processes. Overall, 230 MSU employees are eXtension users. Further, MSU Extension has 71 employees that serve on one or more of the 66 Communities of Practice (COPs); MSU Extension employees are members of 39 COPs. 10 MSU Extension employees serve as a leader for a COP, leading 7 COPs. 2 MSU Extension personnel are members of the Community Nutrition Education COP. 4 MSU Extension personnel are members of the Community, Local, and Regional Food Systems COP. 3 MSU Extension personnel are members, with 1 being a leader, of the Creating Healthy

Communities COP. 1 MSU Extension employee is a member of the eXtension Alliance for Better Child Care COP. 2 MSU Extension personnel are members of the Families and Child Well-Being Learning Network COP. 15 MSU Extension personnel are members of the Families, Food, and Fitness COP with 3 being leaders. 3 MSU Extension personnel are members of the Family Caregiving COP. 3 MSU Extension personnel are members of the Financial Security for All COP with 1 being a leader. 4 MSU Extension personnel are members of the Food Safety COP. 2 MSU Extension personnel are members of the Healthy Food Choices in Schools COP. 3 MSU Extension personnel are members of the Just In Time Parenting COP. 1 MSU Extension employee is a member of the Women in Ag Learning Network COP.

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	192600	217411	288901	326117

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2014
 Actual: 3

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	1	72	73

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of clientele attending workshops, seminars, and short courses.

Year	Actual
2014	48150

Output #2

Output Measure

- Number of people attending certification courses.

Year	Actual
2014	1019

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of clientele reporting changes in lifestyle to improve health.
2	Number of clientele reporting decreases in at least one indicator (blood pressure, blood cholesterol, body mass index).
3	Number of foodservice professionals achieving required certification in food handling techniques.
4	Number of clientele who learn how to use nutritional guidelines to make food decisions.
5	Number of clientele who adopt practices to fit their diets with dietary guidelines.
6	Number of clientele reporting improved health and/or well-being due to changes in diet.
7	Number of clientele reporting a positive change in at least one behavior related to obesity (increased physical activity, decrease in caloric intake, increase in fruits and vegetables in diet).
8	Number of clientele adopting new practices related to financial management.
9	Number of clientele reducing debt.
10	Number of clientele increasing wealth.
11	Number of families adopting recommended family strategies and behaviors.
12	Number of families reporting improved strengthened family life.
13	Number of childcare providers maintaining certification requirements.
14	Number of care providers increasing the quality of care provided.
15	Number of clientele increasing knowledge in child care and development content areas as measured by pre/post assessments.

Outcome #1

1. Outcome Measures

Number of clientele reporting changes in lifestyle to improve health.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	1233

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

A telephone survey conducted in 2014 by the MSU Social Science Research Center gathered data from 411 SNAP-eligible Mississippians about dietary behaviors and attitudes. The responses showed that the following factors (out of 9 factors) are "very important" to this population when preparing home cooked meals: spending less money (77%), providing healthy food (79%), knowing how to cook (83%), and knowing how to plan and grocery shop (77%).

What has been done

Expanded Food and Nutrition Education Program (EFNEP) employs 24 paraprofessionals who are trained to conduct programs which allow resource-limited participants to develop cooking skills, taste healthy foods, and make smart food choices. Participants' attendance at the series of at least eight classes reinforces the knowledge and skills gained.

Results

During FY2014, there were 427 participants that graduated from the EFNEP program. The results are directly related to the values expressed in the survey: 64% of participants showed improvement in comparing prices before purchasing food items; 70% of participants showed improvement in planning meals ahead of time; 41% less participants ran out of food before the end of the month; and participants saved an average of \$18.90 each on monthly grocery costs.

4. Associated Knowledge Areas

KA Code	Knowledge Area
704	Nutrition and Hunger in the Population

723	Hazards to Human Health and Safety
724	Healthy Lifestyle
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures

Outcome #2

1. Outcome Measures

Number of clientele reporting decreases in at least one indicator (blood pressure, blood cholesterol, body mass index).

Not Reporting on this Outcome Measure

Outcome #3

1. Outcome Measures

Number of foodservice professionals achieving required certification in food handling techniques.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	527

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Under the MS Food Code, anyone serving food for pay is required to have a permit to operate their facility. Facilities are required to show documentation of food safety knowledge. This requirement applies to commercial, institutional, catering, and other foodservice establishments. The required training leads to cleaner and safer facilities with employees who have a better understanding of how food becomes unsafe and what groups are at an increased risk for foodborne illnesses. Cleaner and safer facilities lead to contaminated food.

What has been done

MSU Extension in partnership with the MS Hospitality and Restaurant Association and the MS State Department of Health, provides the primary food safety management certification course

used in MS. The ServSafe program is an 8-16-hour, face-to-face training with a national certification offered by the National Restaurant Association Educational Foundation. Certification requires a score of 75 on a secure, proctored exam. Recertification is required every five years. MSU Extension employees provides a managerial course to personnel in a variety of foodservice operations.

Results

From October 2013 to September 30, 2014, 39 classes were taught by twelve ServSafe certified MSU Extension instructors. A total of 527 participants completed the ServSafe Certification training. Passage rate for all attendees taking the certification exam was 70.2%. ServSafe certification courses were offered at fourteen primary locations throughout the state of MS during the program year. MSU Extension instructors have been praised for their dedication and professionalism regarding the curriculum and training by many of the participants. The MSU Extension ServSafe program continues to be recommended by the Mississippi State Department of Health to businesses and individuals seeking certification in MS.

4. Associated Knowledge Areas

KA Code	Knowledge Area
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
722	Zoonotic Diseases and Parasites Affecting Humans
903	Communication, Education, and Information Delivery

Outcome #4

1. Outcome Measures

Number of clientele who learn how to use nutritional guidelines to make food decisions.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	6548

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

MS youth experience similar poor health behaviors as MS adults, which may result in a generation of children with shorter life expectancies than their parents (HBO Weight of the Nation, 2012). At least 79% of MS high school students do not consume adequate amounts of fruits, vegetables, or milk. Many students do not meet daily physical activity recommendations and spend 3 or more hours a day watching television/using computers. These behaviors contribute to 21.9% of MS youth being obese (Trust for America's Health, 2012).

What has been done

In cooperation with the Mississippi Department of Human Services and the United States Department of Agriculture, MSU Extension provides the MS Body Walk, an interactive tour of the human body that educates youth grades K-5th about how to keep their bodies healthy. Curricula used in the MS Body Walk focuses on ways to keep your brain, mouth, stomach, muscles, bones, lungs, and nervous system healthy, like by brushing your teeth, eating according to MyPlate, and avoiding cigarettes.

Results

Compared to 11,300 students in 2013, 14,000 students experienced the BodyWalk exhibit in 2014. The 3rd grade students were asked a question to test their knowledge gain. Out of 1,751 third graders, 97% learned at least one thing from the experiences, and 30% made perfect scores on the question.

4. Associated Knowledge Areas

KA Code	Knowledge Area
701	Nutrient Composition of Food
702	Requirements and Function of Nutrients and Other Food Components
703	Nutrition Education and Behavior

Outcome #5

1. Outcome Measures

Number of clientele who adopt practices to fit their diets with dietary guidelines.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5239

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The Behavioral Risk Factor Surveillance System (2007) results show, among Mississippians with incomes below \$15,000/yr, 87.5% reported consuming less than five fruits and vegetables a day, and 46.8% reported not being physically active in the past month. MS rates are among the highest in prevalence of diet-related diseases. Cardiovascular disease, cancer, diabetes, and overweight/obesity are leading chronic diseases. These chronic diseases are particularly concerning due to MS's elevated poverty rate in comparison to the U.S.

What has been done

The SNAP-Ed program in MS employs 37 paraprofessionals who provide nutritional programming for adults and children. Many of the children's programs are conducted in schools which have at least 50% of their students participating in free or reduced lunch program; other venues include after school programs, boys' and girls' clubs, cooking classes at MSU Extension Offices, etc. Quality, engaging, evidence-based curriculum that is based on USDA Dietary Guidelines and the USDA food guidance icon is used in SNAP-Ed programming. In 2014, 52,668 children participated in SNAP-Ed programs.

Results

Approximately 1,100 3rd-5th graders who were surveyed after a series of SNAP-Ed programs showed increased fruit and vegetable intake. Additionally, the students showed improvement in their willingness to ask parents to have fruits and vegetables readily accessible. These students also were more willing to ask parents to buy non-fat or 1% milk instead of whole milk. Sixth through 8th graders also improved their intake of vegetables, fruits, and low-fat milk. These impacts align seamlessly with the key recommendations of the most recent Dietary Guidelines (2010).

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior

Outcome #6

1. Outcome Measures

Number of clientele reporting improved health and/or well-being due to changes in diet.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	2311

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The MS Behavior Risk Factor Surveillance Survey (2013) shows that as income increases, obesity/overweight rates decrease and shows that as income decreases, reports of poor mental health increase. These trends are particularly notable in Mississippi where the poverty rate is 21.2% (U.S. Census, 2012). The MSBRFSS also reports that 38.2% of Mississippians report no leisure time physical activity in the previous 30 days. This is pertinent, because physical activity can help a person feel better about themselves and decrease the chance of becoming depressed.

What has been done

In cooperation with the MS Department of Human Services and USDA, MSU Extension provides nutrition education to SNAP eligible adults. SNAP-Ed and EFNEP programs are designed to help participants become more effective managers of available food sources and make healthier food choices. Single and series nutrition programs are conducted. Curricula focus on enhancing knowledge, attitudes, and skills needed to follow MyPlate and the 2010 Dietary Guidelines for Americans, enhance physical activity levels, and achieve calorie balance to avoid excess weight gain.

Results

Sixty-five percent of adults who participated in a series of EFNEP programs showed improvement in dietary behavior by taking time to think about healthy food choices when deciding what to feed their families. This forethought can help improve well-being by choosing to eat healthy. One hundred and ninety-nine adults attended single SNAP-Ed programs. As a result, 70% "most of the time" or "always" plan to be more physically active, and 82% "most of the time" or "always" feel that preventing weight gain is an important part of staying healthy. By choosing to improve lifestyle habits, participants can feel more empowered to live more healthfully.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

Outcome #7

1. Outcome Measures

Number of clientele reporting a positive change in at least one behavior related to obesity (increased physical activity, decrease in caloric intake, increase in fruits and vegetables in diet).

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	192

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

According to the 2013 BRFSS, 69% of adults surveyed are either overweight or obese. MS youth experience similar poor health behaviors as MS adults, which may result in a generation of children with shorter life expectancies than their parents (HBO Weight of the Nation). At least 79% of MS high school students do not consume adequate amounts of fruits, vegetables, or milk. Many students do not meet daily physical activity recommendations and spend 3 or more hours a day watching television/using computers. These behaviors contribute to 21.9% of MS youth being obese (Trust for America's Health).

What has been done

EFNEP conducts adult and youth nutrition education programs which focus on the USDA Dietary Guidelines and MyPlate, while also incorporating physical activity, teaching cooking skills, and offering tastings when appropriate. In 2014 EFNEP reached 427 adults and 19,714 youth. SNAP-Ed lessons are single lessons or a series of lessons and are also based on USDA Dietary Guidelines and MyPlate, incorporating physical activity, teaching cooking skills, and offering tastings when appropriate. SNAP-Ed reached 52,668 youth participants in 2014.

Results

After participation in EFNEP programs, adults showed a 61% improvement in participants who fed their children breakfast. Among 3rd-5th grade participants, there was a 16% improvement in children who ate breakfast. Breakfast eaters are significantly less likely to be overweight, and adolescents who eat breakfast tend to have lower body mass index. (Dayle Hayes, MS, RD, www.nutritionforthefuture.org). EFNEP adults also demonstrated a positive change (42%) in physical activity, while 59% of participants reduced solid fat and added sugar intake. Both of these habits can contribute to decreasing obesity rates. Third through fifth graders in EFNEP and

improvements in physical activity (26% and 25%, respectively).

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle

Outcome #8

1. Outcome Measures

Number of clientele adopting new practices related to financial management.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	482

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Over the last 25 years, the cost of attending college has increased 400%, while incomes have increased 150%. Public funding for higher education has decreased significantly since the 1980s, declining between 15 and 70% across different states in the U.S. While the cost of attending college has increased significantly, the cost of not attending college is even greater. Since 2004 there has been a 70% increase in the number of borrowers and the average debt load is over \$30,000 for undergraduates. Students give financial stress as the number one reason they drop out of college.

What has been done

The MSU Extension Center for Economic Education and Financial Literacy developed a program for college students. Piloted at MSU, the program delivered workshops through student organizations, classes, dorms, and events. Materials were developed so that college and universities across the nation can replicate the program. To bridge the gap between knowing and doing, the program focuses on behavioral change through simulations and a peer mentor program. Topics include budgeting, saving, credit, student loan debt, preparing for graduate

school, and choosing a major.

Results

The MSU Extension Center for Economic Education and Financial Literacy worked with units across campus to reach students through their trusted channels. Over 1,200 students were served in 2014. Participant evaluations showed that most agreed or strongly agreed that they enjoyed the presentations and would attend more sessions. Participants improved their understanding of the importance of delayed gratification and their ability to delay gratification. Students improved in their understanding and confidence to save to be millionaires by forgoing buying a new car right out of college and knowledge of the steps to take to build credit. Students pledged to save at least \$10 each week while in college. Student loan recipients figured out the most they should borrow given their major.

4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

Outcome #9

1. Outcome Measures

Number of clientele reducing debt.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	385

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Of all fraud complaints, identity theft ranks at the top, and the MS Attorney General's office wanted to address the issue. Destruction of unnecessary documents is a great preventative measure against identity theft.

What has been done

Through the MS Consumer Education Partnership, Extension partnered with the MS Attorney General's office to hold Shred Day events in 4 cities in March 2014. The events were sponsored by a group initiated and facilitated by MSU Family Resource Management Agents to leverage resources of public and private consumer organizations. Cintas also donated services to assist consumers.

Results

The 2014 Shred Day aided consumers in destroying unnecessary personal documents they accumulated in an effort to prevent identity theft. At least 1,513 consumers (increased from 1,118 in 2013) shredded more than 94,000 pounds (increase of 88% from 50,120 pounds in 2013) of sensitive personal papers at 2014 Shred Day events in 4 cities in March in events. Cintas's services aided consumers in preventing an average loss of \$5,000 per consumer for a total event impact of nearly \$7,565,000.

4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

Outcome #10

1. Outcome Measures

Number of clientele increasing wealth.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	193

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

According to the Corporation for Enterprise Development (CFED) Assets and Opportunities scorecard, only about half of Mississippians have savings account, and approximately 46% are unbanked or underbanked. Savings is an important component of financial security.

What has been done

In response to the noted financial disparity, MSU Extension established the Mississippi Saves campaign in 2014 to address the issue. This program was launched as part of the America Saves national campaign, which aims to encourage savings as part of the foundation for a financially secure household. A major part of the campaign involves encouraging people to take the pledge to save as an action step towards a savings commitment.

Results

Consumer Federation of America, the organization that sponsors the national America Saves campaign, uses the number of pledges as a measure of impact. In 2014, the Mississippi Saves campaign had 111 savers who pledged to save a total of \$10,603. This increase in intention to save money has the potential to foster more financial security in Mississippi households.

4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

Outcome #11

1. Outcome Measures

Number of families adopting recommended family strategies and behaviors.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	770

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Sleep is a public health problem in America. Sleep problems include short sleep duration, multiple night wakings, bedtime resistance, parasomnias, and daytime sleepiness. Many children (~49%) are exposed to aggression within their home, and the climate of the family environment plays a role in sleep of young children. Such interadult conflict within the family can negatively impact children's sleep.

What has been done

Modeled after Together We Can, an evidence based curriculum, Sleep Hygiene and Parent

Engagement: Children's Academic Readiness Enhancement (SHAPE-CARE) is an intervention that integrates conflict management, emotion regulation, and sleep hygiene into a parent education program. MSU Extension implements SHAPE-CARE for primary caregiver(s) of preschool-aged children.

Results

Pretest scores indicate that mothers' reports of children's responses during interadult conflict were positively associated with children's sleep anxiety and parasomnias. Positive couple functioning was negatively associated with children's bedtime resistance, sleep amount, and nightwakings. For mothers involved in a romantic relationship, pretest scores indicated that verbal conflict in the romantic relationship was negatively associated with sleep amount and bedtime resistance, while physical conflict was positively associated with parasomnias. Findings replicate studies conducted with older children that indicate interadult conflict is associated with poorer sleep outcomes for children. The conflict resolution, emotion regulation, and coparenting skills learned through SHAPE-CARE help to reduce the impact of conflict on preschool children's sleep.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
903	Communication, Education, and Information Delivery

Outcome #12

1. Outcome Measures

Number of families reporting improved strengthened family life.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	616

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Therapeutic riding is a specialized equine activity that provides physical, emotional, and psychological benefits to children and adults with disabilities. TRAC programs are designed to provide physical benefits for the rider such as improved posture, muscle strength, and trunk

balance. Equine assisted activity and therapeutic riding programs are designed to provide therapeutic un-mounted activities to a diverse population. Children and adults with and without disabilities may benefit from un-mounted activities such as grooming horses, leading horses, and stable management.

What has been done

MSU Extension Service's 4-H Therapeutic Riding and Activity Center (TRAC) promotes therapeutic riding through educational and research-based activities. The program has earned premier accreditation through the Professional Association of Therapeutic Horsemanship. Through carefully planned activities developed by a certified riding instructor, the horse is used as a treatment tool to help each rider achieve his or her goals.

Results

The TRAC program is still young, but interviews with 19 parents of youth participants demonstrate its accomplishments. For example: 1) 17 parents indicated that TRAC met the goals identified for their child; 2) 18 parents felt TRAC did "very good" at making their child feel special during sessions; and 3) 16 parents said their child's riding expectations were fulfilled. Five of the families have typically developing siblings that participated in TRAC with their special needs sibling. Families indicated that TRAC was the only extracurricular activity in which the siblings could participate together, and it strengthened the sibling bond.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
903	Communication, Education, and Information Delivery

Outcome #13

1. Outcome Measures

Number of childcare providers maintaining certification requirements.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	172

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Across the state and national lines, education requirements for early childhood educators are increasing. Additional professional development creates providers who deliver more developmentally appropriate care and education and higher quality classroom experiences to young children than those who do not participate in advanced levels of education. The Child Development Associate credential serves as the professional education tool that inspires and enables best practices beyond the annually required 15 contact hours of staff development.

What has been done

The CDA, the MS Director's, and the National Director's Credentials have been adopted by the Early Years Network (EYN). They provide performance-based training, assessment, and credentialing of early care and education teachers. EYN provides opportunities for educators to access these credentials through scholarships made available with funding provided by the MS DHS. Child care educators are provided with development opportunities to meet and exceed the requirements of the state.

Results

There were 98 early care and education teachers who completed the CDA with more than 11,000 online training hours successfully accomplished. There were 55 early care and education teachers who complete the Mississippi Director's Credential with over 7,400 training hours successfully completed. There were 19 early care and education teachers who completed the National Director's Credential with more than 2,500 online training hours successfully accomplished. Early childhood educators were offered over 2,000 staff development opportunities including workshops and technical assistance. More than 22,000 early childhood educators participated in staff development.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

Outcome #14

1. Outcome Measures

Number of care providers increasing the quality of care provided.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	124

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Mississippi has over 1,500 licensed child care facilities and over 600 documented family child care facilities. On average, classrooms in licensed centers and family homes that enroll in the Network's technical assistance programs have Environment Rating Scale pre-assessment scores of 2.20 and 2.56, respectively, out of a 7-point scale. The average scores for both licensed child care providers and family providers indicates that centers in the state that have not received assistance provide less than minimum quality to children.

What has been done

The Early Years Network has continued to reach out to child care facilities to provide research-based technical assistance to improve the quality of care provided to children. The technical assistance programs offer developmentally appropriate, two-hour lessons and mentoring as a solution to the issue.

Results

There were 34 licensed child care facilities and 90 family child care facilities that increased the quality of care provided to children.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

Outcome #15

1. Outcome Measures

Number of clientele increasing knowledge in child care and development content areas as measured by pre/post assessments.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	763

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

There is a demand for early care and education providers in Mississippi to improve the quality of care provided to children through use of research-based, developmentally appropriate practices. The Quality Rating and Improvement System known as Quality Stars, while a voluntary program, has more stringent requirements for education and staff development hours for centers enrolled in the program beyond the 15 contact hours required for licensing.

What has been done

The Early Years Network provided workshop opportunities on the Mississippi Early Learning Guidelines (ELG) and Mississippi Early Learning Standards (ELS) developed from curricula created by the Division of Early Childhood Care and Development of the Mississippi Department of Human Services in collaboration with the Mississippi Department of Education.

Results

There were 763 early childhood educators who successfully increased knowledge in content areas in the ELG and ELS workshop assessments. These curricula help early childhood educators and administrators provide quality care to children through research-based strategies for implementing developmentally appropriate practices.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Other (Cultural traditions)

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

MSU Extension agents and specialists, as well as MAFES faculty, used a variety of recommended methods to gather needed information. Specific strategies were initiated and utilized for collecting evaluation information to determine program outputs and outcomes (see impact statements for examples). In FY 2014, MSU Extension agents and specialists were required to submit four quarterly reports (January, April, July, and September). This quarterly report collects information about the number of contacts, types of contacts, and number of programs conducted in each Planned Program Area. In addition, two narrative Accomplishment Reports are required from each MSU Extension employee each year. Finally, a specific request for impact statements from MSU Extension and MAFES faculty and staff is also made. The evaluation results shared through our impact statements are a combination of this quantitative and qualitative data.

Late in the 2014 program year, we introduced a Standardized Extension Evaluation Survey. The Standardized Extension Evaluation Survey was designed for use in any MSU Extension Service program, workshop, or event with adults. The survey assesses program process, participant satisfaction, knowledge and/or skill change, and behavioral intentions. It provides a ready-made evaluation for agents and specialists to use and will allow us to aggregate data across the state. A small number of agents and specialists have utilized the survey to date, but we hope use will increase over time.

Key Items of Evaluation