Food and Nutrition Service

U.S. DEPARTMENT OF AGRICULTURE

WIC Nutrition Assessment and Tailoring Study: Final Report Part 1 – Appendix E

U.S. Department of Agriculture | Food and Nutrition Service | Office of Policy Support

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Submitted to

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Office of Policy Support
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In approving Ohio WIC's participation in this study, the Ohio Department of Health Institutional Review Board requires that publication of research findings include the following disclaimer: "This study includes data provide by the Ohio Department of Health which should not be considered an endorsement of this study or its conclusions."

In approving Nebraska WIC's participation in this study, the Nebraska Department of Health and Human Services requires that publication of research findings include the following disclaimer: "These findings and their interpretation are the sole responsibility of the author and do not necessarily reflect the opinions or policy position of DHHS."

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Submitted by

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Appendix E

Nutritional Risk Code Tables, Crosswalks of Education and Referral Codes, and Logistic Regression Analysis Methodology

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Nutritional Risk Codes

Table 1. Nutritional risks by broad nutritional risk category

Broad nutritional risk category	Nutritional risks
Anthropometric	Low weight-for-height/length High weight-for-height/length (e.g., overweight women, obese children 2–4 years old) Short stature Inappropriate growth/weight gain pattern Low birth weight/Premature birth Other anthropometric risk (e.g., small or large for gestational age, low head circumference)
Biochemical	Hematocrit or hemoglobin below FNS criteria Other biochemical test results that indicate nutritional abnormality (e.g., elevated blood lead levels)
Clinical/Health/Medical	Pregnancy-induced conditions (e.g., hyperemesis gravidarum, gestational diabetes, history of gestational diabetes, history of preeclampsia) Delivery of low birth weight or premature infant (e.g., history of preterm or early-term delivery, history of low birth weight) Prior stillbirth, fetal, or neonatal death General obstetrical risks (e.g., multiple-fetus births, high parity and young age, short interpregnancy interval, lack of adequate prenatal care, pregnant woman currently breastfeeding) Nutrition-related risk conditions (e.g., any nutrition-related chronic disease, genetic disorder, infectious disease, gastrointestinal disorders, drug nutrient interactions) Substance abuse (e.g., drugs, alcohol, tobacco) Other health risks (e.g., fetal alcohol syndrome, oral health, neonatal abstinence syndrome)
Dietary	Failure to meet DGA Inappropriate nutrition practices (e.g., routinely diluting formula, diet very low in calories and/or essential nutrients, lack of sanitary practices in handling breastmilk and/or bottles)
Other risks	Regression/transfer (nutritional risk unknown)/presumptive eligibility Breastfeeding mother and infant dyad Infant of a WIC-eligible mother or mother at risk during pregnancy Homelessness/migrancy Other nutritional risks (e.g., recipient of abuse, foster care, exposure to environmental tobacco smoke, woman or infant/child of caregiver with limited ability to make feeding decisions or prepare food)

Source: Kline, N., Zvavitch, P., Wroblewska K., Worden, M., Mwombela, B., & Thorn, B. (2022). WIC Participant and Program Characteristics 2020. U.S. Department of Agriculture, Food and Nutrition Service.
DGA = Dietary Guidelines for Americans
Examples of nutritional risk criteria grouped within the nutritional risk are provided in parentheses.
Nutritional risks are sorted by the corresponding FNS nutritional risk number.

Table 2. FNS nutritional risk codes and code title

FNS nutritional risk code	Code title
ANTHROPOMETRIC	
100	**Low Weight-for-Height**
101	Underweight (women)
103	Underweight or at risk of becoming underweight
110	**High Weight-for-Height/Length**
111	Overweight (women)
113	Obese (children 2_5 years)
114	Overweight or at risk of overweight
115	High weight-for-length (infants and children under 24 months of age)
120	**Short Stature**
121	Short stature or at risk of short stature (infants, children)
130	**Inappropriate Growth/Weight Gain Pattern**
131	Low maternal weight gain
133	High maternal weight gain
134	Failure to thrive
135	Inadequate growth
140	**Low Birth Weight/Premature Birth**
141	Low birth weight
142	Preterm or early term delivery
150	**Other Anthropometric Risk**
151	Small for gestational age
152	Low head circumference
153	Large for gestational age
BIOCHEMICAL	
200	**Hematocrit or Hemoglobin Below FNS Criteria**
201	Low hematocrit/hemoglobin [formerly, anemia]
210	**Other Biochemical Test Results That Indicate Nutritional Abnormality**
211	Elevated blood lead levels
CLINICAL/HEALTH/MEDICAL	
300	**Pregnancy-Induced Conditions**
301	Hyperemesis gravidarum
302	Gestational diabetes
303	History of gestational diabetes
304	History of preeclampsia
310	**Delivery of Low-Birthweight/Premature Infant**
311	History of preterm or early term delivery
312	History of low birth weight

FNS nutritional risk code	Code title
CLINICAL/HEALTH/MEDICAL (continued)	
320	**Prior Stillbirth, Fetal, or Neonatal Death**
321	History of spontaneous abortion, fetal or neonatal loss
330	General obstetrical risks
331	Pregnancy at a young age
332	Closely spaced pregnancies
333	High parity and young age
334	Lack of adequate prenatal care
335	Multi-fetal gestation
336	Fetal growth restriction
337	History of birth of a large for gestational age infant
338	Pregnant woman currently breastfeeding
339	History of birth with nutrition related congenital or birth defect
340	**Nutrition-Related Risk Conditions (e.g. Chronic Disease, Genetic Disorder, Infection)**
341	Nutrient deficiency diseases
342	Gastrointestinal disorders
343	Diabetes mellitus
344	Thyroid disorders
345	Hypertension and prehypertension (includes chronic and pregnancy induced)
346	Renal disease
347	Cancer
348	Central nervous system disorders
349	Genetic and congenital disorders
351	Inborn errors of metabolism
352	Infectious diseases (bronchiolitis added)
352A	Acute
352B	Chronic
353	Food allergies
354	Celiac disease
355	Lactose intolerance
356	Hypoglycemia
357	Drug-nutrient interactions
358	Eating disorders
359	Recent major surgery, trauma, burns
360	Other medical conditions
361	Depression
362	Developmental, sensory or motor disabilities interfering with the ability to eat
363	Pre-diabetes

FNS nutritional risk code	Code title
CLINICAL/HEALTH/MEDICAL (continued)	
370	**Substance Abuse (Drugs, Alcohol, Tobacco)**
371	Maternal smoking
372	Alcohol and illegal drug use
380	**Other Health Risks**
381	Dental problems (oral health conditions)
382	Fetal alcohol spectrum disorders
383	Neonatal abstinence syndrome
DIETARY	
400	**Failure to Meet Dietary Guidelines for Americans**
401	Failure to meet Dietary Guidelines for Americans
410	**Inappropriate Nutrition Practices**
411	Inappropriate nutrition practices for infants
411.01	Routinely using a substitute(s) for breast milk or for FDA approved iron-fortified formula as the primary nutrient source during the first year of life
411.02	Routinely using nursing bottles or cups improperly
411.03	Routinely offering complementary foods or other substances that are inappropriate in type or timing.
411.04	Routinely using feeding practices that disregard the developmental needs or stage of the infant.
411.05	Feeding foods to an infant that could be contaminated with harmful microorganisms or toxins.
411.06	Routinely feeding inappropriately diluted formula.
411.07	Routinely limiting the frequency of nursing of the exclusively breastfed infant when breast milk is the sole source of nutrients.
411.08	Routinely feeding a diet very low in calories and/or essential nutrients.
411.09	Routinely using inappropriate sanitation in preparing, handling, and storage of expressed breastmilk or formula.
411.10	Feeding dietary supplements with potentially harmful consequences.
411.11	Routinely not providing dietary supplements recognized as essential by national public health policy when an infant's diet alone cannot meet nutrient requirements.
425	Inappropriate nutrition practices for children
425.01	Routinely feeding inappropriate beverages as the primary milk source.
425.02	Routinely feeding a child any sugar-containing fluids.
425.03	Routinely using nursing bottles, cups, or pacifiers improperly.
425.04	Routinely using feeding practices that disregard the developmental needs or stages of the child.
425.05	Feeding foods to a child that could be contaminated with harmful microorganisms.

FNS nutritional risk code	Code title
DIETARY (continued)	
425.06	Routinely feeding a diet very low in calories and/or essential nutrients.
425.07	Feeding dietary supplements with potentially harmful consequences.
425.08	Routinely not providing dietary supplements recognized as essential by national public health policy when a child's diet alone cannot meet nutrient requirements.
425.09	Routine ingestion of nonfood items (pica).
427	Inappropriate nutrition practices for women
427.01	Consuming dietary supplements with potentially harmful consequences.
427.02	Consuming a diet very low in calories and/or essential nutrients; or impaired caloric intake or absorption of essential nutrients following bariatric surgery.
427.03	Compulsively ingesting non-food items (pica).
427.04	Inadequate vitamin/mineral supplementation recognized as essential by national public health policy.
427.05	Pregnant woman ingesting foods that could be contaminated with pathogenic microorganisms.
428	Dietary risk associated with complementary feeding practices
OTHER RISKS	
500	**Regression/Transfer/Presumptive Eligibility**
501	Possibility of regression
502	Transfer of certification
503	Presumptive eligibility for pregnant women
600	**Breastfeeding Mother/Infant Dyad**
601	Breastfeeding mother of infant at nutritional risk
602	Breastfeeding complications (women)
603	Breastfeeding complications (infants)
700	**Infant of a WIC-Eligible Mother or Mother at Risk During Pregnancy**
701	Infant up to 6 months old of WIC mother, or of a woman who would have been eligible during pregnancy
702	Breastfeeding infant of woman at nutritional risk
800	**Homelessness/Migrancy**
801	Homelessness
802	Migrancy
900	**Other Nutritional Risks**
901	Recipient of abuse
902	Woman, or infant/child of primary caregiver with limited ability to make feeding decisions and/or prepare food
903	Foster care
904	Exposure to environmental tobacco smoke

Appendix E-2

Education Categories and Codes

Education Categories and Codes

State agencies submitted their education codes and descriptions as documentation for their education data. Each State has its own set of education codes, which varied in numbers from 5 in Louisiana to 345 in Vermont. Ohio provided no education data and therefore has no education codes in this crosswalk. Most State agencies provided both a code number and a description, although some provided a text description only.

The study team grouped education codes into 9 categories for analysis. The crosswalk below documents this categorization. Categorization relied on the education code description. Edits to the lists included removal of duplicates (i.e., where the code number and description were identical.), as well as removal of the names of individuals and spelling corrections. Otherwise, descriptions are essentially as submitted. Codes were not changed and may include abbreviated or truncated words. When the code description was not sufficient to determine the correct category, the study team categorized these as "Other." No additional information about the education codes is available.

Table 3. Education categories and codes

Education category	State agency education code and description	
1 – Breastfeeding		
Choctaw Nation of Oklahoma	2-Breastfeeding Education 3-Breastfeeding Challenges 6-Breastfeeding 15-Breastfeeding Nutrition 17-Breastfeeding Education 19-Breastfeeding Challenges	24-Breastfeeding Education 25-Breastfeeding Challenges 30-Breastfeeding Nutrition 66-Breastfeeding Mailings 68-Breastfeeding Mailings
Florida	23-Breastfeeding 24-Breastfeeding – After Delivery 25-Breastfeeding – Basics (prenatal women) 26-Breastfeeding – Return to school or work 44-Breastfeeding – Return to school or work	45-Breastfeeding Basics 46-Breastfeeding Concerns 47-Breastfeeding Issues 81-Restrictive Nursing
Indiana	7-Breastfeeding Basics 8-Breastfeeding Complications 9-Breastfeeding Support 10-Breastfeeding: Building a Bond for a Lifetime	82-Breastfeeding 94-Breastfeeding 101 Class Combined 95-Working & Pumping
Louisiana	1 - breastfeeding training	
North Carolina	A-BFBasics-Breastfeeding Basics/Anticipatory Guidance A-Breastfe-Breastfeeding Basics/Anticipatory Guidance Breastfeed-Breastfeeding Peer Counselor Program Breastfeed-Breastfeeding: Building a Bond for a Lifetime Breastfeed-Breastfeeding: Exclusivity and Duration	Breastfeed-Breastfeeding: Maternal Diet Breastfeed-Breastfeeding: Milk Expression Breastfeed-Breastfeeding: Positioning Breastfeed-Breastfeeding: Problems and Barriers Breastfeed-Breastfeeding: Returning to Work or School

Education category	State agency education code and description	
1 – Breastfeeding (continued)		
Nebraska	Breastfeeding: Breast Pump Issuance - Collecting and storing breastmilk Breastfeeding: Breast Pump Issuance - Pump assembly use and cleaning Breastfeeding: Breast Pump Issuance - Pumping plan Breastfeeding: Breastfeeding Challenges and Solutions -Increasing milk supply Breastfeeding: Breastfeeding Challenges and Solutions -Prevention & treatment of engorgement Breastfeeding: Breastfeeding Challenges and Solutions -Prevention & treatment of sore nipples Breastfeeding: Breastfeeding Challenges and Solutions -Returning to work or school Breastfeeding: Breastfeeding in Months 2-6 -Teething Breastfeeding: Breastfeeding in the First Month -Exclusive breastfeeding in the first month Breastfeeding: Breastfeeding in the First Month -Feeding frequency every 1 1/2 - 3 hours Breastfeeding: Breastfeeding in the First Month -Referral to breastfeeding peer counselor Breastfeeding: Breastfeeding in the First Month -Stools of breastfed baby Breastfeeding: Common Breastfeeding Concerns -Baby wants to eat all the time Breastfeeding: Common Breastfeeding concerns -I don't have enough milk	Breastfeeding: Continued breastfeeding months 6-12 -Teething and breastfeeding Breastfeeding: Exit Counseling -Continued Breastfeeding Infant: Breastfed Infant - During the First Month -Referral to BFPC Infant: Breastfed Infant - During the First Month -Stools of breastfed infant Infant: Breastfed Infant 1-6 Months - Exclusive breastfeeding until 6 months Infant: Breastfed Infant 1-6 Months - Feeding frequency wet and dirty diapers Infant: Breastfed Infant 1-6 Months - Referral to breastfeeding specialist Infant: Breastfed Infant 7-11 Months - Plans for continuing to breastfeed Not Breastfeeding: Exit Counseling - Continued Breastfeeding Pregnancy: Exit Counseling -Continued breastfeeding Pregnancy: First Trimester Topics - Feelings about breastfeeding Pregnancy: Multi-fetal Gestation - Breastfeeding multiples Pregnancy: Promoting Breastfeeding During Pregnancy -What have you heard about breastfeeding? Pregnancy: Second Trimester Topics - Breastfeeding Pregnancy: Third Trimester Topics - Breastfeeding plan
Nevada	Breastfeeding: Baby Behaviors-Baby Behaviors and Infant Feeding Breastfeeding: BF Benefits-BF Benefits Breastfeeding: BF Frequency/Milk Supply-BF Frequency/Milk Supply Breastfeeding: BF Support-BF Support: Family/Partner Breastfeeding: BF Support-BF Support: Friends Breastfeeding: BF Twins/Multiples-BF Twins/Multiples Breastfeeding: Building a Bond for a Lifetime Breastfeeding: Developmental Issues and BF-Developmental Issues and BF Breastfeeding: General BF Concerns-BF Frequency and Milk Supply	Breastfeeding: General BF Education-Diaper Count Breastfeeding: General BF Education-First Days PP Breastfeeding: General BF Education-First Weeks PP Breastfeeding: General BF Education-How Do I Know If Baby is Getting Enough? Breastfeeding: General BF Education-Hunger/Fullness Cues Breastfeeding: General BF Education-Maintaining Milk Supply Breastfeeding: General BF Education-Sore or Cracked Nipples Breastfeeding: How Do I Know Baby is Getting Enough?-How Do I Know Baby is Getting Enough?

Education category	State agency education code and description	
1 – Breastfeeding (continued)		
Nevada (continued)	Breastfeeding: General BF Concerns-BF Twins or Multiples Breastfeeding: General BF Concerns-Diaper Count Breastfeeding: General BF Concerns-Engorgement Breastfeeding: General BF Concerns-Engorgement Prevention Breastfeeding: General BF Concerns-First Few Days PP Breastfeeding: General BF Concerns-First Few Weeks PP Breastfeeding: General BF Concerns-How Do I Know Baby Is Getting Enough? Breastfeeding: General BF Concerns-Hunger/Fullness Cues Breastfeeding: General BF Concerns-Maintaining Milk Supply Breastfeeding: General BF Concerns-Returning to Work/School Breastfeeding: General BF Concerns-Sore or Cracked Nipples Breastfeeding: General BF Concerns-Teething and BF Breastfeeding: General BF Education-BF Benefits Breastfeeding: General BF Education-BF Frequency/ Milk Supply	Breastfeeding: General BF Concerns-BF Twins or Multiples Breastfeeding: Maintaining Breastmilk Supply-Maintaining Breastmilk Supply Breastfeeding: Paced Bottle Feeding-BF Technique/Position/Latch Breastfeeding: Pumping/Hand Expression-Hand Expression Breastfeeding: Pumping/Hand Expression-How to Express Milk with a Pump Breastfeeding: Pumping/Hand Expression-How to Use a Hand Pump Breastfeeding: Pumping/Hand Expression-Pump Demo Breastfeeding: Return to Work/School - Paced Bottle Feeding Breastfeeding: Return to Work/School - Pumping at Work/School Breastfeeding: Risks of formula-Risks of Formula Feeding Breastfeeding: Teething and BF-Teething and BF Breastfeeding: Troubleshooting-BF Technique/Position/Latch Breastfeeding: Troubleshooting-Troubleshooting
Ohio	NA	
Vermont	Breastfeeding_Infant / child: Basics-Breastfeeding myths Breastfeeding_Infant / child: Basics-Breastfeeding while pregnant Breastfeeding_Infant / child: Basics-Feeding cues/disengagement cues Breastfeeding_Infant / child: Basics-Frequency/duration: at least 8-12 x day Breastfeeding_Infant / child: Basics-Hand expression/hands-on pumping Breastfeeding_Infant / child: Basics-Laid-back/baby-led breastfeeding Breastfeeding_Infant / child: Basics-Milk storage guidelines Breastfeeding_Infant / child: Basics-Number of wet and soiled diapers Breastfeeding_Infant / child: Basics-Proper position and latch Breastfeeding_Infant / child: Birth to one month-Audible swallowing Breastfeeding_Infant / child: Birth to one month-Breastfeeding 8-12 x day	Breastfeeding_Infant / child: Breastfeeding Issues-Plugged ducts and/or Mastitis Breastfeeding_Infant / child: Breastfeeding Issues-Slow weight gain Breastfeeding_Infant / child: Breastfeeding Issues-Sore nipples / sore breasts Breastfeeding_Infant / child: Breastfeeding Issues-Thrush (yeast) Breastfeeding_Infant / child: Breastfeeding Issues-Tongue-tie Breastfeeding_Infant / child: Breastfeeding Issues-Weak ineffective suck Breastfeeding_Infant / child: Breastfeeding Issues-Weaning from nipple shield Breastfeeding_Infant / child: Hospital experience-Avoid bottles and pacifiers Breastfeeding_Infant / child: Hospital experience-Exclusive breastfeeding

Education category	State agency education code and description	
1 – Breastfeeding (continued)		
Vermont (continued)	Breastfeeding_Infant / child: Birth to one month-Establishing milk supply Breastfeeding_Infant / child: Birth to one month-Feeding cues / disengagement cues Breastfeeding_Infant / child: Birth to one month-Importance of colostrum Breastfeeding_Infant / child: Birth to one month-Laid-back / baby-led breastfeeding Breastfeeding_Infant / child: Birth to one month-Number of wet and soiled diapers Breastfeeding_Infant / child: Birth to one month-Proper latch / position Breastfeeding_Infant / child: Birth to one month-Pumping (if needed) Breastfeeding_Infant / child: Breastfeeding Issues-Contraindications Breastfeeding_Infant / child: Breastfeeding Issues-Crying / irritable / fussy baby Breastfeeding_Infant / child: Breastfeeding Issues-Engorgement Breastfeeding_Infant / child: Breastfeeding Issues-Inadequate stooling / wet diapers Breastfeeding_Infant / child: Breastfeeding Issues-Jaundice Breastfeeding_Infant / child: Breastfeeding Issues-Low milk supply / protecting mom's milk supply Breastfeeding_Infant / child: Breastfeeding Issues-Non-latching baby / breast refusal Breastfeeding_Infant / child: Breastfeeding Issues-Oversupply of milk	Breastfeeding_Infant / child: Hospital experience-Pumping (if necessary) Breastfeeding_Infant / child: Hospital experience-Rooming-in Breastfeeding_Infant / child: Hospital experience-What to expect Breastfeeding_Infant / child: One month to 12 months-Tandem nursing Breastfeeding_Infant / child: One month to 12 months-When to pump Breastfeeding_Infant / child: Returning to work / school-Choosing a breast pump Breastfeeding_Infant / child: Returning to work / school-Hand expression / hands-on pumping and hygiene Breastfeeding_Infant / child: Returning to work / school-How much to feed baby at daycare Breastfeeding_Infant / child: Returning to work / school-Increasing milk supply Breastfeeding_Infant / child: Returning to work / school-Paced bottle feeding Breastfeeding_Infant / child: Returning to work / school-Reverse cycling Lifestyle: Alcohol use-Breastfeeding and alcohol use Lifestyle: Illegal Drug Use-Breastfeeding and drug use Lifestyle: Smoking-Breastfeeding and smoking Nutrition Practices_Child: Nutrition Practices-Breastfeeding as mutually desired by child/mom Nutrition Practices_Infant: Birth-6 months-Breastfeeding frequency / duration wichealth.org: internet-Breastfeeding: Building a Bond for a Lifetime
West Virginia	13-BF Management 17-BF Problems 21-BF Support/Equipment 165-Nutrition & BF Mother	193-Prenatal BF Class 197-Prenatal BF Promotion 300-Breastfeeding Nutrition 301-BF and Nutrition

Education category	State agency education code and description	
2 – Good Food Choices		
Choctaw Nation of Oklahoma	2-Benefits Of WIC Foods 6-Healthy Snacks 8-Water 13-Benefits Of WIC Foods	20-Benefits Of WIC Foods 23-Benefits Of WIC Foods 36-Benefits Of WIC Foods 45-Benefits Of WIC Foods
Florida	2-Z 2013-02 Milk Matters 6-Z 2013-04 Eating Healthy When Eating Out 12-Z 2014-03 Where Is The Sodium? 35-Snacking 56-Fluids 70-MyPlate, Balanced Diet 75-Portion Sizes 83-Snacking- 93-2) Raising Healthy Children Increasing Fruits & Vegetables 94-3) Raising Healthy Children Consuming Fat Free Milk & Reducing Sweet Beverages 95-4) Raising Healthy Children Smart Snacking & Choosing Fast Foods Wisely 98-Z 2015-02 Rethink Your Drink 101-Z 2015-04 Portion Size 110-Z 2016-02 Whole Grains 111-Z 2016-03 Dairy Foods 118-Z 2017-02 Protein Foods 123-Z 2017-03 Healthy Snacks 125-Z 2017-04 Eating Healthy When Eating Out 126-Z 2018-01 Rethink Your Drink 137-Z 2018-02 Mindful Eating 140-Z 2018-04 Beans Are For Everyone 142-Z 2018-06 Eat Fish, Choose Wisely 145-Y 2019-02 Milk Matters	150-2020-01 Build A Healthy Eating Style 151-Y 2019-03 Ten Tips To Make Eating Healthy Easy 158-2020-02 Food Myths 162-2020-03 Can Processed Foods Be Healthy 163-2020-04 Added Sugars 165-2021-01 Add More Vegetables to Your Day! 171-2021-02 Healthy Snacks WH_2-Be Healthy with Veggies and Fruits WH_21-Choose MyPlate to Build a Healthier Family WH_22-Go For Whole Grains WH_23-Eat Well for a Healthy Pregnancy WH_29-Help Your Child Develop Healthy Eating Habits WH_30-Fruits and Veggies Grow Healthy Kids WH_31-Build Strong Kids with Dairy Foods WH_51-Building Healthy Bodies With Iron Foods WH_52-Shining Some Light on Vitamin D WH_66-Protect Your Family From Lead With Healthy Foods WH_71-Effective Ways to Reduce Junk Food
Indiana	1-A Recipe for a Healthy Pregnancy 4-Be Healthy as Your Baby Grows 5-Be Healthy with Fruits and Veggies 6-Beverages 11-Build Strong Kids with Dairy Foods 14-Choose Iron-Rich Foods 15-Choose MyPlate to Build a Healthier Family 23-Eating Habits 24-Eating Out	35-Fruits and Vegetables 36-Fruits and Veggies Grow Healthy Kids 37-General Nutrition 41-Healthy Pregnancy 42-Healthy Whole Grains 43-Help Your Child Make Good Eating Choices 57-Portion Sizes 65-Snacks 79-Whole Grains
Louisiana	NA	

Education category	State agency education code and description	
2 – Good Food Choices (continued)		
North Carolina	A recipe for a healthy pregnancy Age appropriate foods Age appropriate portions Be Healthy with Veggies and Fruits Build strong kids with dairy foods Choose MyPlate to build a healthier family Fast food choices Fruits and vegetables Fruits and veggies grow healthy kids Fun and healthy drinks for kids Go For Whole Grains	Healthy Eating During Pregnancy Healthy eating habits for children Healthy snacks Help Your Child Develop Healthy Eating Habits High fiber foods Iron rich foods Low fat dairy Low fat foods MyPlate food guide Potentially harmful food Smart drink choices Whole grain foods
Nebraska	All Participant Categories: wichealth.org - Healthy Whole Grains Breastfeeding: Exit Counseling -Make Healthy Food Choices Breastfeeding: Nutrition & Physical Activity -Nutrition recommendations for breastfeeding moms Child: Wichealth.org -Fruits and Veggies Grow Healthy Kids	Not Breastfeeding: Exit Counseling -Make Healthy Food Choices Not Breastfeeding: Nutrition & Physical Activity -Nutrition recommendations for new mothers Pregnancy: Exit Counseling -Make healthy food choices Pregnancy: First Trimester Topics - Nutrition during pregnancy Pregnancy: Wichealth.org-A Recipe for a Healthy Pregnancy
Nevada	Certification: Core Contact-Nutritional Value of Specific Supplemental Foods Certification: Core Contact-Supplemental Foods Consumed by Participants CertificatioNutrition: Core Contact-Nutritional Value of Specific Supplemental Foods CertificatioNutrition: Core Contact-Supplemental Foods Consumed by Participants Child: Healthy Snacks -Healthy Snacks Child: Reading Food Labels -Reading Food Labels Child: Too Much Beverage/Sugary Beverage -Too Much Beverage Child: Too Much Beverage-Too Much Beverage Infant: Beans-Beans Infant: Beans-Reading Food Labels Infant: Breakfast-Breakfast Infant: Calcium Foods -Calcium Foods Infant: MyPlate-Dairy Infant: MyPlate-Fruits Infant: MyPlate-MyPlate Infant: MyPlate-Protein Infant: MyPlate-Vegetables Infant: Nutrients-Nutrients Nutrition: Beans-Beans Nutrition: Beans-Reading Food Labels	Nutrition: MyPlate-Protein Nutrition: MyPlate-Vegetables Nutrition: MyPlate-Whole Grains Nutrition: Nutrients-Nutrients Prenatal: Baby Behaviors- Foods to Eat/Avoid During Pregnancy Prenatal: Baby Behaviors Foods to eat/avoid during pregnancy-Baby Behaviors Pregnancy Discomforts WICHealth.org: Internet-A Recipe for a Healthy Pregnancy WICHealth.org: Internet-Be Healthy With Fruits and Veggies WICHealth.org: Internet-Build Strong Kids With Dairy Foods WICHealth.org: Internet-Choose Iron-Rich Foods WICHealth.org: Internet-Choose MyPlate to Build a Healthier Family WICHealth.org: Internet-Effective Ways to Reduce Junk Food WICHealth.org: Internet-Fruits and Veggies Grow Healthy Kids WICHealth.org: Internet-Fun and Healthy Drinks for Kids WICHealth.org: Internet-Happy Healthy Active Children WICHealth.org: Internet-Healthy Whole Grains

Education category	State agency education code and description	
2 – Good Food Choices (continued)		
Nevada (continued)	Nutrition: Breakfast-Breakfast Nutrition: Calcium Foods -Calcium Foods Nutrition: MyPlate-Dairy Nutrition: MyPlate-Fruits Nutrition: MyPlate-MyPlate	WICHealth.org: Internet-Help Your Child Make Good Eating Choices WICHealth.org: Internet-Protect Your Family From Lead With Healthy Foods
Ohio	NA	
Vermont	Family Member WIC Clinic Visit: Family Member WIC Visit-Nutrition Education Food: Food/Shopping-Shopping Food: Using WIC foods-Cereal Food: Using WIC foods-Eggs Food: Using WIC foods-Fruits and vegetables Food: Using WIC foods-Legumes Food: Using WIC foods-Low-fat dairy Food: Using WIC foods-Menu planning Food: Using WIC foods-Organic Food: Using WIC foods-Soy beverage/Tofu Food: Using WIC foods-Whole grains Nutrition Practices: Constipation/diarrhea-Encourage fluids appropriate for age Nutrition Practices: Constipation/diarrhea-Encourage fruits/vegetables as age appropriate Nutrition Practices: Constipation/diarrhea-Proper mixing/dilution of formula Nutrition Practices: Constipation/diarrhea-Well-balanced meals/snacks Nutrition Practices: Highly restrictive diets-Encourage essential nutrients Nutrition Practices: Lactose intolerance-Calcium rich foods Nutrition Practices: Lactose intolerance-Lactose-free alternatives (lactaid soy) Nutrition Practices: Lactose intolerance-Need for calcium during childhood Nutrition Practices: Lactose intolerance-Need for calcium during pregnancy	Nutrition Practices: Lactose intolerance-Risks associated with low calcium intake Nutrition Practices: Pica -Essential nutrients Nutrition Practices_Child: Nutrition Practices-Importance of breakfast Nutrition Practices_Child: Nutrition Practices-Importance of fruits and vegetables Nutrition Practices_Child: Nutrition Practices-Limit added sugars and sweetened beverages Nutrition Practices_Child: Nutrition Practices-Limiting juice Nutrition Practices_Infant: Birth-6 months-Limit juice intake Nutrition Practices_Women: Caffeine-Caffeine use during Pregnancy Nutrition Practices_Women: Food safety-Foods to avoid: undercooked unpasteurized Nutrition Practices_Women: Lactose intolerance-Calcium rich foods Nutrition Practices_Women: Lactose intolerance-Lactose-free alternatives (Lactaid soy) Nutrition Practices_Women: Lactose intolerance-Risks associated with low calcium intake wichealth.org: internet-A Recipe for a Healthy Pregnancy wichealth.org: internet-Help Your Child Make Good Eating Choices
West Virginia	25-Breads/Cereals/Grains 81-Fast Foods 93-Fluids 117-My Plate 153-Lead - Nutritional Status 213-Protein 221-Salt/Sodium 233-Snacks 241-Sugar & Sugar Subs 253-Vegetables/Fruits 257-Vegetarianism	277-Healthy Food 290-Canned Fruits & Vegetables 293-Fruit Juice 295-Whole Grains 296-Yogurt 297-Fiber 302-Milk and Non-Dairy Alternative 303-Milk and Non-Dairy Alternative 306-Mindful Eating 308-Water

Education category	State agency education code and description	
3 – Physical Activity		
Choctaw Nation of Oklahoma	NA	
Florida	4-Z 2013-03 Physical Activity 22-Physical Activity 33-Physical Activity 71-Physical Activity 96-1) Raising Healthy Children Interactive Physical Activity, Positive Attitude About Foods & Portion C	138-Z 2018-03 Be Physically Active WH_35-Happy, Healthy, Active Children WH_75-Fun and Realistic Ways to Get More Exercise
Indiana	40-Happy, Healthy, Active Children	55-Physical Activity
Louisiana	NA	
North Carolina	Happy, Hea-Happy, healthy, active children	Physical A-Physical activity
Nebraska	Breastfeeding: Nutrition & Physical Activity -Physical activity for lifestyle Child: Wichealth.org -Happy Healthy Active Children	Not Breastfeeding: Nutrition & Physical Activity -Physical activity for lifestyle
Nevada	Health: Physical Activity-Physical Activity WICHealth.org: Internet-Fun and Realistic Ways to Get More Exercise WICHealth.org: Internet-Get Into Shape After Your Baby Arrives	WICHealth.org: Internet-Get Into Shape After Your Baby Arrives WICHealth.org: Internet-Happy, Healthy, Active Children
Ohio	NA	
Vermont	Community Partner Activity: VeggieVanGo-VeggieVanGo FitWIC: FitWIC_Child-Everyday play FitWIC: FitWIC_Child-Family activity FitWIC: FitWIC_Child-Outings FitWIC: FitWIC_Child-Skill building FitWIC: FitWIC_Child-TV/Screen time FitWIC: FitWIC_Infant-Sing talk read FitWIC: FitWIC_Infant-Tummy time Physical Activity: Children_Physical Activity-Decrease TV viewing electronic screen time	Physical Activity: Children_Physical Activity-Physical activity recommendations Physical Activity: Infants_Physical Activity-Playtime tips Physical Activity: Infants_Physical Activity-TV viewing recommendations Physical Activity: Postpartum_Physical Activity-Activity tips Physical Activity: Prenatal_Physical Activity-Exercise tips during pregnancy
West Virginia	73-Exercise	305-Physical Activity

Education category	State agency education code and description	
4 – Meal Planning and Prep		
Choctaw Nation of Oklahoma	18-Healthy Meal Planning	
Florida	10-Z 2014-02 Cooking With Beans 16-Z 2015-01 Rise And Shine, It's Breakfast Time 19-Food Safety 54-Family Meals 59-Food Safety 102-Z 2016-01 Be Food Safe 114-Z 2016-04 Family Meals 115-Z 2017-01 Healthy Holidays & Celebrations 143-Y 2019-01 You Can Cook! 172-2021-03 Vegetarian Eating WH_1-Food Safety for Moms-to-Be WH_18-Eat Well - Spend Less WH_20-Make Meals and Snacks Simple WH_28-Keep Your Family Safe From E. Coli WH_33-Making Mealtime Family Time WH_37-Meatless Meals for Busy Families	WH_45-A Guide to Food Safety WH_50-Making Healthy Meals WH_73-Useful Tips for Grocery Shopping (Part II) WH_76-Practical Ways to Cook Healthier WH_77-Plan Meals to Help Children Eat Healthier WH_78-Useful Tips for Grocery Shopping (Part I) WH_81-Simple Ways to Include Seafood in Your Family Meals WH_86-Finding Recipes That Work WH_87-Using Substitutions in Healthy Meals WH_88-Recipes Made Easy WH_89-Saving Time With No Cook Recipes WH_98-Making a Meal Plan
Indiana	16-Complimentary Foods 17-Cooking/Food Prep 21-Eat Well-Spend Less 25-Family Meals 26-Farm to Family: Keeping Food Safe 27-Farmers Market 30-Food Labels 31-Food Safety	32-Food Safety for Moms-to-Be 33-Food Shopping/Planning 45-Keep Your Family Safe from E.coli 47-Make Meals & Snacks Simple 48-Make Mealtime a Family Time 49-Making Healthy Meals 50-Meatless Meals for Busy Families 86-Meal Planning
Louisiana	NA	
North Carolina	Eat Well –-Eat well, spend less Eating Wel-Eating well on a budget Family Mea-Family meals Farm to Fa-Farm to family, keeping food safe Food Safet-Food safety Food Safet-Food safety for moms-to-be Healthy Co-Healthy Cooking Keep Your-Keep your family safe from e-coli	Make Meals-Make meals and snacks simple Making Hea-Making Healthy Meals Making Mea-Making Mealtime a Family Time Meatless M-Meatless meals for busy families Vegetarian-Vegetarian and Vegan diets

Education category	State agency education code and description	
4 – Meal Planning and Prep (continued)		
Nebraska	Breastfeeding: Farmers Market Nutrition Program -Using FMNP Fruits and Vegetables Child: Family Mealtimes -Importance of family meals positive environment Child: Farmers Market Nutrition Program - Using FMNP Fruits and Vegetables Child: Lead Prevention-Meals and snacks rich in iron calcium and vit C Child: Wichealth.org -Make Meals and Snacks Simple Infant: What to do with unused WIC Infant Foods -6 month education Infant: What to do with unused WIC Infant Foods -9 month education Not Breastfeeding: Farmers Market Nutrition Program -Using FMNP Fruits and Vegetables	Pregnancy: Farmers Market Nutrition Program -Using FMNP Fruits and Vegetables Pregnancy: Food Safety Concerns During Pregnancy - Unpasteurized dairy products and juices products and juices Pregnancy: Food Safety Concerns During Pregnancy -Fish that could be high in mercury Pregnancy: Food Safety Concerns During Pregnancy -Listeria information and foods to avoid Pregnancy: Food Safety Concerns During Pregnancy -Raw or undercooked meats fish poultry
Nevada	FMNP: FMNP Instruction & Nut'n Education-FMNP Instruction & Nut'n Education Infant: Food Safety-Food Safety Infant: Meal Planning-Meal Planning Infant: Shopping on a Budget-Shopping on a Budget Nutrition: Food Safety-Food Safety Nutrition: Meal Planning-Meal Planning Nutrition: Shopping on a Budget-Shopping on a Budget Postpartum: Interconception Care-Eating on the Run WICHealth.org: Internet-Farm to Family: Keeping Food Safe WICHealth.org: Internet-Finding Recipes That Work WICHealth.org: Internet-Food Safety for Moms-to-Be WICHealth.org: Internet-Keep Your Family Safe From E. Coli WICHealth.org: Internet-Make Meals and Snacks Simple WICHealth.org: Internet-Make Mealtime a Family Time	WICHealth.org: Internet-Making a Meal Plan WICHealth.org: Internet-Making Healthy Meals WICHealth.org: Internet-Meatless Meals for Busy Families WICHealth.org: Internet-Plan Meals to Help Children Eat Healthier WICHealth.org: Internet-Practical Ways to Cook Healthier WICHealth.org: Internet-Recipes Made Easy WICHealth.org: Internet-Saving Time With No Cook Recipes WICHealth.org: Internet-Time Saving Tips for Busy Moms WICHealth.org: Internet-Useful Tips for Grocery Shopping (Part I) WICHealth.org: Internet-Useful Tips for Grocery Shopping (Part II) WICHealth.org: Internet-Using Substitutions In Healthy Meals
Ohio	NA	

Education category	State agency education code and description	
4 – Meal Planning and Prep (continued)		
Vermont	Farm to Family : Farm to Family-Farm to Family Food: Food/Shopping-Celebrations Food: Food/Shopping-Cooking Food: Food/Shopping-Key nutrients Food: Food/Shopping-Menu planning Nutrition Practices: Food safety-Foods to avoid: undercooked unpasteurized Nutrition Practices: Food safety-Keeping foods at safe temperatures Nutrition Practices: Highly restrictive diets-Well-balanced meals/adequate calories nutrients Nutrition Practices: Pica -Well-balanced meals/snacks Nutrition Practices_Child: Nutrition Practices-Regular family meal times	Nutrition Practices_Child: Nutrition Practices-Well-balanced meals / snacks Nutrition Practices_Infant: 6-12 months-Importance of regular family meal time Nutrition Practices_Infant: 6-12 months-Well-balanced meals / snacks Nutrition Practices_Women: Food safety-Keeping foods at safe temperatures Nutrition Practices_Women: Food safety-Proper handling of foods cross contamination Nutrition Practices_Women: Highly restrictive diets-Well-balanced meals/adequate calories nutrients wichealth.org: internet-Maximizing Food Dollars
West Virginia	113-Food Preparation 121-Food Safety 157-Meal Plans 185-Portion/Serving Size	225-Shopping 289-Family Mealtime 298-Food Labels
5 – Medical		
Choctaw Nation of Oklahoma	1-Alcohol / Substance Abuse 3-Importance Of Health Care 5-Dangers Of Substance Abuse 14-Importance Of Health Care 16-Dangers Of Substance Abuse 26-Importance Of Health Care 28-Dangers Of Substance Abuse 32-Folic Acid	37-Importance Of Health Care 46-Importance Of Health Care 50-Immunization 61-Milestones-on track - age appr 62-Milestones - age appropriate 63-Folic Acid - Last postpartum v 64-Folic Acid last BF visit
Florida	14-Z 2014-04 A Healthy Smile For You And Your Family 18-Dental Health 20-Healthy Weight 29-Healthy Weight 38-Adequate Weight Gain 39-Anemia and/or Iron 42-Bottle Mouth Tooth Decay 48-Caffeine 49-Calcium 50-Choking Risk 51-Dental 52-Dietary Supplements 57-Folic Acid 58-Food Allergies/Intolerance 61-Gaining Weight 62-Health Risks of Tobacco/Alcohol/Drugs 63-Immunizations 65-Increasing Calories	69-Medications 73-Pica 76-Pregnancy Complications 77-Reducing Calories 78-Reducing Sodium, Sugar and/or Fat 79-Reducing Sodium, Sugar, Fat and/or Caffeine 80-Restrictive Diet 86-Weight Concerns 164-2020-05 Protecting Tiny Teeth WH_11-Preparing for a Healthy Pregnancy WH_117-Vaccinate Your Family WH_24-Get Into Shape After Your Baby Arrives WH_54-Two Minutes Twice a Day for a Healthy Smile WH_54-Two Minutes Two Times a Day for a Healthy Smile WH_74-Journey to Weight Loss

Education category	State agency education code and description	
5 – Medical (continued)		
Florida (continued)	68-Medical Condition and Nutrition Impact	WH_79-Give You and Your Baby A Lifetime Of Healthy Teeth
Indiana	2-Anemia/Iron 12-Calcium/Vitamin D/Dairy 18-Diabetes 19-Diarrhea/Constipation 22-Eating Disorders 28-Folic Acid 29-Food Allergies 38-Gestational Diabetes 39-Growth 46-Lactose Intolerance 51-N/V/Diarrhea/Constipation 52-Nutrients 53-Oral Health	58-Postpartum Depression 59-Preparing For a Healthy Pregnancy 61-Second Hand Smoke 63-Shining Some Light on Vitamin D 64-Smoking 66-Sodium 67-Spit-up/Reflux 69-Substance Use or Abuse 72-Two Minutes Twice a Day for a Healthy Smile 75-Vitamins/Minerals 77-Weight Gain 78-Weight Loss 84-Emotional Health
Louisiana	NA	
North Carolina	Fluoride-Fluoride A-Folic Ac-Folic Acid Get Into S-Get into shape after your baby arrives Growth and-Growth and development Healthcare-Healthcare Provider Diagnosed Medical Conditions Healthcare-Healthcare Provider Prescribed Diets Healthy Gu-Healthy gums and teeth High Mater-High maternal weight gain A-Immuniza-Immunizations	Lead Poiso-Lead Poisoning Pica-Pica Pregnancy–Pregnancy-related conditions Preparing-Preparing for a healthy pregnancy Recommende-Recommended weight gain in pregnancy Second-han-Second-hand Smoke A-Tobacco,-Tobacco, Alcohol and Illegal Drugs Vitamin D-Vitamin D Vitamins a-Vitamins and supplements
Nebraska	All Participant Categories: Environmental Tobacco Smoke -Health risks of second-hand smoke All Participant Categories: Environmental Tobacco Smoke -Smoking outside All Participant Categories: Substance Abuse Counseling -Substance Abuse Counseling Breastfeeding: Exit Counseling -Avoid Alcohol Tobacco and Drugs Breastfeeding: Exit Counseling -Folic acid Breastfeeding: Exit Counseling - Immunizations Breastfeeding: High Risk Medical Conditions -Follow health care provider plan of care Breastfeeding: Low Hemoglobin-Explain low hgb Breastfeeding: Low Hemoglobin-High iron food/ Vitamin C/ Supplement Breastfeeding: Mental Health-Discussion of mental health Breastfeeding: Mental Health-PHQ-4	Infant: Weight/Length & Growth Pattern-Underweight Infant: wichealth.org-understanding your baby's cues Not Breastfeeding: Exit Counseling -Avoid Alcohol Tobacco and Drugs Not Breastfeeding: Exit Counseling -Folic Acid Not Breastfeeding: Exit Counseling - Immunizations Not Breastfeeding: High Risk Medical Conditions -Follow health care provider plan of care Not Breastfeeding: Low Hemoglobin - Explain low hgb Not Breastfeeding: Low Hemoglobin -High iron foods/ Vitamin C/ Prenatal Vitamin Not Breastfeeding: Mental Health-Discussion of mental health Not Breastfeeding: Mental Health-PHQ-4 Not Breastfeeding: Mental Health-Pre-pilot participant questionnaire

Education category	State agency education code and description	
5 – Medical (continued)		
Nebraska (continued)	Breastfeeding: Mental Health-Pre-pilot participant questionnaire Breastfeeding: Nutrition & Physical Activity -Dietary recommendations for breastfeeding mothers Breastfeeding: Nutrition & Physical Activity -Nutrition recommendations for breastfeeding moms Breastfeeding: Nutrition & Physical Activity -Weight loss after pregnancy Breastfeeding: Postpartum Depression -Explanation and symptoms Breastfeeding: Postpartum Depression -Referral to healthcare provider Child: Constipation-Definition and discussed symptoms Child: Constipation-Discussion of excess milk Child: Constipation-Encouraged increase intake of fluids Child: Constipation-Increasing fiber rich foods Child: Growth and Healthy Weight -Normal growth pattern Child: Growth and Healthy Weight -Overweight/At risk of overweight Child: Growth and Healthy Weight -Underweight Child: High Risk Medical Conditions -Follow healthcare provider plan of care Child: Lactose Intolerance -Intolerance versus food allergy Child: Lactose Intolerance -Lactose reduced milk/soy beverage Child: Lead Prevention-Lead Poisoning and harmful effects Child: Lead Prevention-Refer to health care provider Child: Low Hemoglobin-Explain low Hgb Child: Low Hemoglobin-High iron foods and Vitamin C Child: Low Hemoglobin-Problems with excess milk and other beverages Child: Low Hemoglobin-Referral to healthcare provider Infant: Breastfed Infant 1-6 Months -Growth spurts and feeding changes Infant: Constipation -Definition and discuss symptoms Infant: Constipation -Encourage increased intake of fluids	Not Breastfeeding: Nutrition & Physical Activity -Weight loss after pregnancy Not Breastfeeding: Postpartum Depression -Explanation and symptoms Not Breastfeeding: Postpartum Depression -Referral to healthcare provider Pregnancy: Alcohol Use -No safe level of alcohol during pregnancy Pregnancy: Alcohol Use -Refer to alcohol/substance use resource Pregnancy: Alcohol Use -Risks of FAS/FAE Pregnancy: Alcohol Use -Risks to mother Pregnancy: Exit Counseling -Avoid Alcohol Tobacco and Drugs Pregnancy: Exit Counseling -Folic Acid Pregnancy: Exit Counseling -Immunizations Pregnancy: First Trimester Topics -Health concerns and prenatal care Pregnancy: First Trimester Topics -Nutrition during pregnancy Pregnancy: High Risk Medical Conditions -Follow health care provider plan of care Pregnancy: Low Hemoglobin -Explain low Hgb Pregnancy: Low Hemoglobin -High iron foods/ Vitamin C Pregnancy: Low Hemoglobin -Prenatal vitamins and iron supplements Pregnancy: Low Hemoglobin -Referral to healthcare provider Pregnancy: Mental Health-Discussion of mental health Pregnancy: Mental Health-PHQ-4 Pregnancy: Mental Health-Pre-pilot participant questionnaire Pregnancy: Multi-fetal Gestation -Appropriate ongoing prenatal care Pregnancy: Multi-fetal Gestation -Weight gain recommendations Pregnancy: Second Trimester Topics -Breastfeeding Pregnancy: Second Trimester Topics -Prenatal care weight gain nutrition Pregnancy: Smoking -Benefits of quitting Pregnancy: Smoking -E-cigarettes information Pregnancy: Smoking -Effects on baby Pregnancy: Smoking -Increases chance of low birth weight or preterm

Education category	State agency education code and description	
5 – Medical (continued)		
Nebraska (continued)	Infant: Constipation -Referral to healthcare provider Infant: Diarrhea -Definition and symptoms Infant: Diarrhea -Refer to healthcare provider Infant: High Risk Medical Conditions - Follow healthcare provider plan of care Infant: Premature Infant -Age adjusted growth chart/ developmental milestones Infant: Spitting Up -Referral to healthcare provider Infant: Spitting Up -Some spitting up is normal Infant: Weight/Length & Growth Pattern-At risk of overweight Infant: Weight/Length & Growth Pattern-Discuss growth chart and recommendations	Pregnancy: Smoking -Refer to smoking cessation resources Pregnancy: Smoking -Secondhand smoke Pregnancy: Third Trimester Topics - Prenatal care weight gain nutrition Pregnancy: Weight Gain During Pregnancy -Low weight gain Pregnancy: Weight Gain During Pregnancy -Prenatal grid with weight gain guidelines for BMI Pregnancy: Weight Gain During Pregnancy -Weight gain above recommended weight range Pregnancy: Wichealth.org-A Recipe for a Healthy Pregnancy Pregnancy: Wichealth.org-Preparing for a healthy Pregnancy
Nevada	Breastfeeding: BF Support-PF Support: Healthcare Provider Breastfeeding: Marijuana Use-Marijuana Use While Breastfeeding Certification: Core Contact-Importance of Health Care CertificatioNutrition: Core Contact-Developmental Milestones CertificatioNutrition: Core Contact-Importance of Health Care Child: Allergies-Allergies Child: Developmental Milestones-Developmental Milestones Checklist Child: Developmental Milestones-DMCP Referral Follow-up Child: Developmental Milestones-DMCP Referral(s) Child: Healthy Weight-Healthy Weight Child: Medical Formulas-Medical Formulas DMCP: Developmental Milestones-Developmental Milestone Checklist DMCP: Developmental Milestones-DMCP Referral Follow-up DMCP: Developmental Milestones-DMCP Referral(s) DMCP: FMNP Instruction & Nut'n Education-FMNP Instruction & Nut'n Education Health: Disease Prevention-Disease Prevention Health: Disease Prevention-Safe Infant Sleep	Infant: Developmental Milestones-DMCP Referral(s) Infant: Folic Acid-Folic Acid Infant: Iron-Iron Infant: Medical formulas -Homemade Baby Foods Infant: Medical formulas -Medical Formulas Infant: Medical formulas-Medical Formulas Nutrition: Folic Acid-Folic Acid Nutrition: Iron-Iron Postpartum: Interconception Care-Interconception Care Postpartum: Marijuana Use-Marijuana Use While Post-Partum Postpartum: Postpartum Depression-Baby Behaviors Postpartum: Postpartum Depression-Postpartum Depression Postpartum: Returning to Prepregnancy Weight-Exit Counseling Postpartum: Returning to Prepregnancy Weight-Returning to Prepregnancy Weight Postpartum: Returning to Prepregnancy Weight-Returning to Prepregnancy Weight SA Approved Health Fai Prenatal: Marijuana Use-Marijuana Use While Pregnant Prenatal: Preterm Birth-Preterm Birth Prenatal: Preterm Birth-Preterm Birth Infant Feeding/Breastfeeding

Education category	State agency education code and description	
5 – Medical (continued)		
Nevada (continued)	Health: Emergency Preparedness-Emergency Preparedness Health: Oral Health-Oral Health Infant: Allergies-Allergies Infant: Appropriate Weight Gain-Appropriate Weight Gain Infant: Appropriate Weight Gain-Formula Feeding/ Preparing Infant: Developmental Milestones-Developmental Milestone Checklist Infant: Developmental Milestones-DMCP Referral Follow-up	Prenatal: Weight Gain-Weight Gain Prenatal: Weight Gain-Weight Gain Gestational Diabetes Prenatal: Weight Gain-Weight Gain Prenatal Vitamins WICHealth.org: Internet-Shining Some Light on Vitamin D WICHealth.org: Internet-Two Minutes Twice a Day for a Healthy Smile
Ohio	NA	
Vermont	Breastfeeding_Infant / child: Birth to one month-Growth spurts Breastfeeding_Infant / child: One month to 12 months-Growth spurts Community Partner Activity: Strong Families VT Nurse Home Visiting Program-Strong Families VT Nurse Health and Medical: Asthma-Ways to protect child from second hand smoke Health and Medical: Asthma-Well-balanced meals / snacks Health and Medical: Depression: clinical / postpartum "Baby Blues"-Able to care for infant / children Health and Medical: Depression: clinical / postpartum "Baby Blues"-Clinical depression Health and Medical: Depression: clinical / postpartum "Baby Blues"-Encourage regular physical activity Health and Medical: Depression: clinical / postpartum "Baby Blues"-Family and peer support Health and Medical: Depression: clinical / postpartum "Baby Blues"-Postpartum "Baby Blues" Health and Medical: Depression: clinical / postpartum "Baby Blues"-Postpartum appointment(s) with MD Health and Medical: Depression: clinical / postpartum "Baby Blues"-Prenatal vitamin Health and Medical: Depression: clinical / postpartum "Baby Blues"-Regular prenatal visits to MD Health and Medical: Depression: clinical / postpartum "Baby Blues"-Well-balanced meals/snacks	Healthy Weight_ PP BF : Healthy weight: Postpartum Breastfeeding-Referral to MD for eating disorders Healthy Weight_ PP BF : Healthy weight: Postpartum Breastfeeding-Regular family meal times Healthy Weight_ PP BF : Healthy weight: Postpartum Breastfeeding-Tips for gradual weight loss Healthy Weight_ PP BF : Healthy weight: Postpartum Breastfeeding-Well-balanced meals / snacks Healthy Weight_Growth Child: Overweight / Obese-Best food choices at fast food restaurants Healthy Weight_Growth Child: Overweight / Obese-Encourage low fat skim milk Healthy Weight_Growth Child: Overweight / Obese-Limit juice intake Healthy Weight_Growth Child: Overweight / Obese-Limit sugar-sweetened beverages sport drinks Healthy Weight_Growth Child: Overweight / Obese-Well-balanced family meals/snacks Healthy Weight_Growth Child: Underweight or at risk of underweight-Encourage nutrient dense foods Healthy Weight_Growth Child: Underweight or at risk of underweight-Limit excessive milk intake Healthy Weight_Growth Child: Underweight or at risk of underweight-Limit sugar-sweetened beverages s Healthy Weight_Growth Child: Underweight or at risk of underweight-Regular family meal times

Education category	State agency education code and description	
5 – Medical (continued)		
Vermont (continued)	Health and Medical: Diabetes / Gestational diabetes-Avoid processed sugars/sweetened beverages Health and Medical: Diabetes / Gestational diabetes-Monitor blood glucose levels Health and Medical: Diabetes / Gestational diabetes-Referral to RD and/or Diabetes Educator Health and Medical: Diabetes / Gestational diabetes-Regular daily exercise Health and Medical: Diabetes / Gestational diabetes-Regular prenatal visits to MD Health and Medical: Diabetes / Gestational diabetes-Timing of meals Health and Medical: Diabetes / Gestational diabetes-Weight gain during pregnancy Health and Medical: Diabetes / Gestational diabetes-Well-balanced small meals with snacks Health and Medical: Elevated lead-Associated risks Health and Medical: Elevated lead-Discourage nonfood items (Pica) Health and Medical: Elevated lead-Environmental causes Health and Medical: Elevated lead-Foods rich in calcium iron vitamin C Health and Medical: Elevated lead-Well-balance meals/snacks Health and Medical: Gastrointestinal disorders-Digestion / absorption of nutrients Health and Medical: Gastrointestinal disorders-Reflux Health and Medical: High parity and young age-Family and peer support Health and Medical: Low hemoglobin-Associated risks during pregnancy Health and Medical: Low hemoglobin-Associated risks for children Health and Medical: Low hemoglobin-Diets/foods/beverages that inhibit iron absorption Health and Medical: Low hemoglobin-Discourage nonfood items (Pica) Health and Medical: Low hemoglobin-Iron rich foods vitamin C sources Health and Medical: Low hemoglobin-Iron supplement as recommended by MD	Healthy Weight_Growth Child: Underweight or at risk of underweight-Well-balanced meals/snacks Healthy Weight_Growth Infant: At risk for overweight-Limit juice intake Healthy Weight_Growth Infant: At risk for overweight-Limit sugar-sweetened beverages Healthy Weight_Growth Infant: At risk for overweight-Well-balanced health meals / snacks Healthy Weight_Growth Infant: Underweight slow weight gain failure to thrive-Adequacy of formula intake Healthy Weight_Growth Infant: Underweight slow weight gain failure to thrive-Breastfeeding frequency Healthy Weight_Growth Infant: Underweight slow weight gain failure to thrive-Introduction of complimentary food Healthy Weight_Growth Infant: Underweight slow weight gain failure to thrive-Limit sugar-sweetened beverage Healthy Weight_Growth Infant: Underweight slow weight gain failure to thrive-Proper mixing of formula Lifestyle: Alcohol use-Ability to care for infant / children Lifestyle: Alcohol use-Fetal alcohol syndrome Lifestyle: Alcohol use-Risks during pregnancy Lifestyle: Alcohol use-Well-balanced meals / snacks Lifestyle: Family Planning-Contraception Lifestyle: Family Planning-Contraception compatible with breastfeeding Lifestyle: Family Planning-Folic acid supplement / folate rich foods Lifestyle: Illegal Drug Use-Ability to care for infant / children Lifestyle: Illegal Drug Use-Infant risks Lifestyle: Illegal Drug Use-Prenatal risks Lifestyle: Smoking-Adequate weight gain during pregnancy Lifestyle: Smoking-Benefits of cutting back and/or quitting smoking Lifestyle: Smoking-Environmental smoke exposure Lifestyle: Smoking-Risks to fetus

Education category	State agency education code and description	
5 – Medical (continued)		
Vermont (continued)	Health and Medical: Low hemoglobin-Need for iron during childhood Health and Medical: Low hemoglobin-Need for iron during pregnancy Health and Medical: Low hemoglobin-Prenatal vitamin Health and Medical: Miscarriage / infant loss-Family and peer support Health and Medical: Miscarriage / infant loss-Postpartum(s) visit with MD Health and Medical: Miscarriage / infant loss-Well-balanced meals/snacks Health and Medical: Morning sickness / Hyperemesis-Recommended weight gain during pregnancy Health and Medical: Morning sickness / Hyperemesis-Small frequent meals Health and Medical: Morning sickness / Hyperemesis-Tips to reduce nausea Health and Medical: Morning sickness / Hyperemesis-Well-balanced meals / snacks Health and Medical: Pregnancy at a young age-Breastfeeding support Health and Medical: Pregnancy at a young age-Calcium needs Health and Medical: Pregnancy at a young age-Discuss family planning with MD Health and Medical: Pregnancy at a young age-Energy needs: nutrient/calorie dense foods Health and Medical: Pregnancy at a young age-Family and peer support Health and Medical: Pregnancy at a young age-Prenatal vitamin Health and Medical: Pregnancy at a young age-Prenatal weight gain Health and Medical: Pregnancy at a young age-Referral: smoking cessation/drug alcohol abuse Health and Medical: Pregnancy at a young age-Well-balanced meals/snacks Health and Medical: Short Interpregnancy Interval-Discuss family planning with MD Health and Medical: Short Interpregnancy Interval-Medical risks Health and Medical: Short Interpregnancy Interval-Prenatal vitamin Health and Medical: Short Interpregnancy Interval-Prenatal weight gain Health and Medical: Short Interpregnancy Interval-Well-balanced meals/snacks	Lifestyle: Smoking-Well-balanced meals / snacks Medication/Vitamin/Supplement: Medication-Drug nutrient interactions Medication/Vitamin/Supplement: Vitamin/Supplement-Folic acid supplement Medication/Vitamin/Supplement: Vitamin/Supplement-Foods fortified with folic acid Medication/Vitamin/Supplement: Vitamin/Supplement-Iron supplement as recommended by MD Medication/Vitamin/Supplement: Vitamin/Supplement-Multivitamin Medication/Vitamin/Supplement: Vitamin/Supplement-Prenatal vitamin Medication/Vitamin/Supplement: Vitamin/Supplement-Vitamin D New Family Follow Up: New Family Follow Up-Card Usage New Family Follow Up: New Family Follow Up-Shopping Nutrition Practices_Child: Nutrition Practices-Food allergy or intolerance Nutrition Practices_Infant: 6-12 months-Allergies and foods to avoid during the first year Nutrition Practices_Infant: Birth-6 months-Allergies and foods to avoid during the first year Nutrition Practices_Women: Food safety-Food allergy or intolerance Nutrition Practices_Women: Food safety-Listeriosis in pregnancy Nutrition Practices_Women: Highly restrictive diets-Adequate weight gain during pregnancy Nutrition Practices_Women: Highly restrictive diets-Essential nutrients Nutrition Practices_Women: Highly restrictive diets-Prenatals: encourage prenatal vitamin Nutrition Practices_Women: Highly restrictive diets-Regular prenatal visits to MD Oral Health_Children: Oral hygiene for children-Fluoride recommendations Oral Health_Children: Oral hygiene for children-Frequency of added sugars and sweetened beverages

Education category	State agency education code and description	
5 – Medical (continued)		
Vermont (continued)	Healthy Weight Prenatal: High weight gain / Overweight-Encourage physical activity as appropriate Healthy Weight Prenatal: High weight gain / Overweight-Limit energy dense foods Healthy Weight Prenatal: High weight gain / Overweight-Limit sugar sweetened beverages Healthy Weight Prenatal: High weight gain / Overweight-Well-balanced meals/snacks Healthy Weight Prenatal: Inadequate weight / Underweight-Encourage nutrient dense foods for wt gain Healthy Weight Prenatal: Inadequate weight / Underweight-Encourage physical activity as appropriate Healthy Weight Prenatal: Inadequate weight / Underweight-Energy needs for pregnancy& multi-fetal gestation Healthy Weight Prenatal: Inadequate weight / Underweight-Limit sugar-sweetened beverages Healthy Weight Prenatal: Inadequate weight / Underweight-Limiting calorie dense foods Healthy Weight Prenatal: Inadequate weight / Underweight-Regular family meal times Healthy Weight Prenatal: Inadequate weight / Underweight-Tips on controlling nausea and vomiting Healthy Weight Prenatal: Inadequate weight / Underweight-Tips on nausea/vomiting Healthy Weight Prenatal: Inadequate weight / Underweight-Well-balanced meal/snacks Healthy Weight_ PP BF : Healthy weight: Postpartum Breastfeeding-Encourage low-fat / skim milk Healthy Weight_ PP BF : Healthy weight: Postpartum Breastfeeding-Encouraging physical activity Healthy Weight_ PP BF : Healthy weight: Postpartum Breastfeeding-Limit calorie dense foods for wt loss Healthy Weight_ PP BF : Healthy weight: Postpartum Breastfeeding-Limit sugar-sweetened beverages	Oral Health_Children: Oral hygiene for children-Good oral hygiene practices for children Oral Health_Children: Oral hygiene for children-Inappropriate use of bottles and sippy cups Oral Health_Children: Oral hygiene for children-Sharing eating utensils Oral Health_Children: Oral hygiene for children-Weaning from the bottle Oral Health_Children: Oral hygiene for children-Well-balanced meals/snacks Oral Health_Infants: Oral hygiene practices for infants-Fluoride recommendations for infants 6 mo & Oral Health_Infants: Oral hygiene practices for infants-Frequency of added sugars and sweetened beverages Oral Health_Infants: Oral hygiene practices for infants-Good oral hygiene practices for infants Oral Health_Infants: Oral hygiene practices for infants-Importance of baby teeth Oral Health_Infants: Oral hygiene practices for infants-Vertical transmission of disease Oral Health_Women: Prenatal postpartum breastfeeding-Encourage dental visits during pregnancy Oral Health_Women: Prenatal postpartum breastfeeding-Fluoride recommendations Oral Health_Women: Prenatal postpartum breastfeeding-Frequency of added sugars and sweetened beverages Oral Health_Women: Prenatal postpartum breastfeeding-Good oral hygiene practices for women Oral Health_Women: Prenatal postpartum breastfeeding-Oral hygiene and vomiting Oral Health_Women: Prenatal postpartum breastfeeding-Reduce the risk of caries in infants and children Oral Health_Women: Prenatal postpartum breastfeeding-Risks associated w poor oral health during pregnancy Oral Health_Women: Prenatal postpartum breastfeeding-Vertical transmission of disease Oral Health_Women: Prenatal postpartum breastfeeding-Well-balanced meals/snacks

Education category	State agency education code and description	
5 – Medical (continued)		
West Virginia	5-Allergies 29-Caffeine 33-Calcium/Vitamin D 41-Child Growth/Development 61-Constipation 65-Dental Health 69-Diarrhea 85-Fat/Cholesterol 97-Fluoride 101-Folic Acid/Folate 129-Infant Growth/Development 149-Iron/Anemia	177-Overweight 181-Pica 209-Prenatal Weight Gain 229-Smoking/Passive Smoke 237-Substance Abuse 245-Supplements 249-Underweight 261-Vitamin A 265-Vitamin C 273-Weight Control 294-Healthy Weight in Children 304-Immunizations
6 – Feeding Infants/Children		
Choctaw Nation of Oklahoma	10-Infant Nutrition/Feeding 4-6 Months 11-Infant Nutrition/Feeding 6-12 Months 12-Child Nutrition/Feeding 1yr. 13-Child Nutrition/Feeding 2yr. 14-Child Nutrition/Feeding 3yr. 15-Child Nutrition/Feeding 4yr.	16-Child Nutrition/Feeding 5yr. 38-Child Nutrition 47-Infant Feeding 48-Infant Nutrition 58-Picky Eaters-child
Florida	21-Nutritious Story Time 27-Child Nutrition 30-Infant Feeding 31-Starting Solid Foods 34-Prenatal Nutrition and Infant Feeding 36-Weaning 37-Weaning from bottle 41-Bottle Feeding 43-Breast Milk or Formula Substitutes 55-Feeding Skills and/or Feeding Problems 60-Formula Preparation	64-Inappropriate Feeding Practices 66-Introduction of Solids 74-Picky Eating 84-Use of Cup 85-Weaning WH_105-Feeding Your Newborn WH_19-Solving Picky Eating WH_25-Baby's First Cup WH_26-Feeding Your Infant Solid Foods WH_32-Trust Your Child to Eat Enough WH_34-Fun and Healthy Drinks for Kids WH_67-Feeding Your 1 Year Old
Indiana	3-Baby's First Cup 13-Child Feeding 34-Formula Feeding 44-Infant Feeding 56-Picky Eater 62-Secrets For Feeding Picky Eaters	68-Starting to Feed Your Infant Solids 71-Trust Your Child to Eat Enough 76-Weaning 83-Child Nutrition 92-Let's get started! Feeding your baby
Louisiana	4 -child/infant nutrition training	
North Carolina	Baby's Fir-Baby's First Cup Feeding Cu-Feeding cues Feeding Yo-Feeding Your 1-Year-Old Feeding Yo-Feeding Your Infant Solid Foods Feeding Yo-Feeding Your Newborn	Formula Pr-Formula preparation Infant Fee-Infant Feeding Picky Eate-Picky eaters Solving Pi-Solving Picky Eating Trust Your-Trust your child to eat enough Wean to a-Wean to a cup
Nebraska	Breastfeeding: Breastfeeding in Months 2-6 -Introducing complimentary foods Breastfeeding: Breastfeeding in Months 2-6 -Teething Breastfeeding: Common Breastfeeding Concerns -Doctor told me to give some formula	Infant: Breastfed Infant 7-11 Months - Introducing table foods Infant: Breastfed Infant 7-11 Months - Plans for weaning Infant: Breastfed Infant 7-11 Months - Using a cup

Education category	State agency education code and description	
6 – Feeding Infants/Children (continued)		
Nebraska (continued)	Breastfeeding: Continued breastfeeding months 6-12 -Complimentary foods Breastfeeding: Continued breastfeeding months 6-12 -Weaning ideas and tips Child: Beverages -Juice Child: Beverages -Milk - recommended ounces and fat content for age Child: Beverages -Other beverages to limit/avoid Child: Beverages -Sugar sweetened beverages Child: Picky Eater -Division of responsibility in feeding Child: Picky Eater -Portion sizes for age Child: Picky Eater -Regular meal and snack times Child: Toddler Topics-Self-feeding Child: Toddler Topics-Transition from infant to toddler diet Child: Toddler Topics-Weaning from bottle to cup Child: Using a Sippy Cup -Transition toddler from bottle to regular cup Child: Using a Sippy Cup -Weaning from the sippy cup Infant: BB - Infant Certification Visit -How to tell when baby is full Infant: BB - Infant Certification Visit - Hunger cues Infant: BB - Your Baby Was Born With the Ability -Hunger and fullness Cues Infant: Breastfed Infant - During the First Month -Baby bellies - stomach sizes Infant: Breastfed Infant - During the First Month -Feeding frequency every 1 1/2 - 3 hours Infant: Breastfed Infant 1-6 Months - Growth spurts and feeding changes Infant: Breastfed Infant 7-11 Months - Developmental feeding stages	Infant: Formula Changes-Changing formula and concerns Infant: Formula Changes-Increasing formula for partially BF baby Infant: Formula-Fed Infant 0-6 Months - Feeding frequency and ounces per feeding Infant: Formula-Fed Infant 0-6 Months - Formula changes and concerns Infant: Formula-Fed Infant 0-6 Months - Formula preparation and storage Infant: Formula-Fed Infant 0-6 Months - Holding baby while bottle feeding Infant: Formula-Fed Infant 0-6 Months - How to tell when baby is hungry or full Infant: Formula-Fed Infant 7-11 Months-Developmental feeding stages Infant: Formula-Fed Infant 7-11 Months-Introducing table foods Infant: Formula-Fed Infant 7-11 Months-Using a cup Infant: Introducing Solid Foods -Begin solids around 6 months and by 8 months Infant: Introducing Solid Foods - Developmental signs of readiness for solids Infant: Introducing Solid Foods -Offer solid foods by spoon Infant: Premature Infant -Developmental signs of readiness for solids Infant: Spitting Up -Feeding tips to avoid spitting up Infant: Spitting Up -Some spitting up is normal Pregnancy: BB - Normal Newborn Behavior -Early feeding cues Pregnancy: BB - What to Expect When Your Baby Is Born-Recognizing and responding to hunger cues
Nevada	Child: Bottle Weaning/ Introducing a Cup - Bottle/Cup Weaning Child: Bottle/Cup Weaning-Bottle/Cup Weaning Child: Medical Formulas-Medical Formulas Health Snacks Child: Picky Eating-Picky Eating Child: Portion Sizes-Portion Sizes Infant: Complementary Foods-Balancing Breastmilk/Formula W/Solids Infant: Complementary Foods-Complementary Foods	SA Approved Health Fair: Attended Health Fair-Attended H Infant: Proper Bottle Use-Signs Infant is Ready for Solids WICHealth.org: Internet-Baby's First Cup WICHealth.org: Internet-Feeding Your Infant Solid Foods WICHealth.org: Internet-Feeding Your Newborn WICHealth.org: Internet-NEW!!! Baby's First Cup WICHealth.org: Internet-NEW!!! Secrets for Feeding Picky Eaters

Education category	State agency education code and description	
6 – Feeding Infants/Children (continued)		
Nevada (continued)	Infant: Hunger/Satiety Cues-Hunger/Satiety Cues Infant: Introducing a Cup -Changing Textures as your Baby Grows Infant: Introducing a Cup-Introducing a Cup Infant: Proper Bottle Use Sings that your baby is ready -Proper Bottle Use Infant: Proper Bottle Use-Proper Bottle Use	WICHealth.org: Internet-Offer Your Baby the Right Foods As He Grows WICHealth.org: Internet-Secrets for Feeding Picky Eaters WICHealth.org: Internet-Starting Your Infant on Solid Foods WICHealth.org: Internet-Trust Your Child to Eat Enough
Ohio	NA	
Vermont	Breastfeeding_Infant / child: One month to 12 months-Introduction to complimentary foods Breastfeeding_Infant / child: One month to 12 months-Weaning Nutrition Practices: Highly restrictive diets-Adequate growth during childhood Nutrition Practices_Child: Nutrition Practices-Introduction low-fat / skim milk child over 2 yrs Nutrition Practices_Child: Nutrition Practices-Introduction of a cup / discourage sippy cup Nutrition Practices_Child: Nutrition Practices-Introduction whole milk child 1 to 2 years Nutrition Practices_Child: Nutrition Practices-Parent/child feeding relationship Nutrition Practices_Child: Nutrition Practices-Picky eating and food jags Nutrition Practices_Child: Nutrition Practices-Self feeding/transition from finger foods to spoon Nutrition Practices_Child: Nutrition Practices-Weaning from the bottle Nutrition Practices_Infant: 6-12 months-Avoid bottle propping Nutrition Practices_Infant: 6-12 months-Avoid bottle to bed Nutrition Practices_Infant: 6-12 months-Introduction of a cup	Nutrition Practices_Infant: 6-12 months-Introduction to finger foods Nutrition Practices_Infant: 6-12 months-Only breast milk formula or water in bottle Nutrition Practices_Infant: 6-12 months-Readiness and introduction of complimentary foods Nutrition Practices_Infant: Birth-6 months-Adequacy of formula Nutrition Practices_Infant: Birth-6 months-Avoid bottle propping Nutrition Practices_Infant: Birth-6 months-Avoid bottle to bed Nutrition Practices_Infant: Birth-6 months-Developmental readiness for solid foods Nutrition Practices_Infant: Birth-6 months-Feeding cues / disengagement cues Nutrition Practices_Infant: Birth-6 months-Formula amounts Nutrition Practices_Infant: Birth-6 months-Issues with formula feeding Nutrition Practices_Infant: Birth-6 months-Only breast milk or formula in bottle Nutrition Practices_Infant: Birth-6 months-Paced bottle feedings Nutrition Practices_Infant: Birth-6 months-Proper mixing of formula wichealth.org: internet-Baby's First Cup
West Virginia	37-Child - Finicky Eater 45-Child Nutrition 125-Formula Prep/Storage 133-Infant Nutrition (0-6 mo) 137-Infant Nutrition (6-12mo)	161-Nursing Bottle Caries 269-Weaning 279-Infant Nutrition 0-12 months 291-Feeding Cues 292-Feeding Your Toddler

Education category	State agency education code and description	
7 – WIC Procedures		
Choctaw Nation of Oklahoma	1-Discussion Of WIC Risk Factors 7-Benefits Of Nutrition Education 10-Rights & Responsibilities 11-Discussion Of WIC Risk Factors 12-Benefits Of Nutrition Education 20-Rights & Responsibilities 21-Discussion Of WIC Risk Factors	22-Benefits Of Nutrition Education 34-Discussion Of WIC Risk Factors 35-Benefits Of Nutrition Education 43-Discussion Of WIC Risk Factors 44-Benefits Of Nutrition Education 51-Rights & Responsibilities
Florida	88-WIC Foods 89-Z 2013-01 Smart Shopping With Your WIC EBT Card 90-Z 2014 Farmers' Market Fruits And Veg 91-Food Package Change 99-Z 2015 Farmers' Market Fruits And Veg 100-Z 2015-03 Use Your Fruit And Veg Dollars 112-Z 2016-05 Use Your Fruit And Veg Dollars	113-Z 2016 Farmers' Market Fruits And Veg 124-Z 2017-05 Smart Shopping With WIC EBT Card 141-Z 2018-05 Use Your Fruit + Vegetable Dollars 152-Y 2019-04 Florida WIC App Is Here! 159-Y 2019-05 Smart Shopping With You WIC EBT Card 173-2021-04 Use Your Fruit + Vegetable Dollars
Indiana	NA	
Louisiana	NA	
North Carolina	NA	
Nebraska	Breastfeeding: Food Package Changes-Changes to type of milk Breastfeeding: Food Package Changes-Decrease in food benefits d/t increase in formula Child: Food Package Changes-Changes to type of milk	Not Breastfeeding: Food Package Changes-Changes to type of milk Pregnancy: Food Package Changes-Changes to type of milk
Nevada	Certification: Core Contact-How to Use EBT Card and Cash Value Benefits Certification: Core Contact-How to Use EBT Card and Cash Value Benefits Certification: Core Contact-How to Use Food Instruments and Cash Value Voucher Certification: Core Contact-WIC as a Supplemental Food Program	CertificatioNutrition: Core Contact-How to Use EBT Card and Cash Value Benefits CertificatioNutrition: Core Contact-How to Use Food Instruments and Cash Value Voucher CertificatioNutrition: Core Contact-WIC as a Supplemental Food Program WICHealth.org: Internet-Maximizing Food Dollars
Ohio	NA	
Vermont	E-WIC Learning Session: Attended eWIC Learning Session-Attended eWIC Learning Session	
West Virginia	109-Food List/WIC Update 145-Introduction to WIC	310-Maximums on Food List

Education category	State agency education code and description	
9 – Other		
Choctaw Nation of Oklahoma	4-Pretal Nutrition 27-Postpartum Nutrition	60-Step by Step - age appropriate 65-Pretal Mailings
Florida	3-Z 2013-1a Local Agency Developed 5-Z 2013-2a Local Agency Developed 7-Z 2013-3a Local Agency Developed 8-Z 2014-01 Save Money At The Store 9-Z 2013-4a Local Agency Developed 11-Z 2014-1a Local Agency Developed 13-Z 2014-2a Local Agency Developed 15-Z 2014-3a Local Agency Developed 17-Z 2014-4a Local Agency Developed 28-Exit counseling 32-Other (document topic under NE Notes) 40-Anticipatory Guidance 53-Exit Counseling 67-Lack of Proper Sanitation 72-Other 82-Secondhand Smoking 87-Wet/Dirty Diapers 97-Z 2015 NWA Calendars 103-Z 2016-1 Calendar 104-Z 2016-1a Local Agency Developed 107-Z 2016-3a Local Agency Developed 109-Z 2016-4a Local Agency Developed 117-Z 2017-1 Calendar 119-Z 2017-1a Local Agency Developed 120-Z 2017-2a Local Agency Developed 121-Z 2017-3a Local Agency Developed 122-Z 2017-4a Local Agency Developed 127-Z 2018-1a Local Agency Developed 128-Z 2018-2a Local Agency Developed 129-Z 2018-3a Local Agency Developed 130-Z 2018-4a Local Agency Developed 139-Z 2018-1 Calendar 144-Y 2019-1 Calendar	146-Y 2019-1a Local Agency Developed 147-Y 2019-2a Local Agency Developed 148-Y 2019-3a Local Agency Developed 149-Y 2019-4a Local Agency Developed 153-2020-1 Calendar 154-2020-1a Local Agency Developed 155-2020-2a Local Agency Developed 156-2020-3a Local Agency Developed 157-2020-4a Local Agency Developed 166-2021-1 Calendar 167-2021-1a Local Agency Developed 168-2021-2a Local Agency Developed 169-2021-3a Local Agency Developed 170-2021-4a Local Agency Developed WH_103-Preparing to Meet Your Newborn WH_104-In the Hospital - The First 48 Hours WH_107-Understanding Your Newborn: Sleep, Crying and Cues WH_108-Getting the Support You Need for Baby's First Weeks WH_110-Returning to Work or School WH_62-Better Ways to Handle Everyday Stress WH_68-Time Saving Tips for Busy Moms WH_69-Effective Ways to Handle Negative Feelings WH_70-Effective Ways to Help with Parenting WH_83-Help Your Baby Sleep Safe and Sound
Indiana	20-NEP (EFNEP/FNP)- See Chart Note 54-Other - See Chart Note 60-Reading Initiative 70-Teen Pregnancy 73-Understanding Your Baby's Cues 74-Understanding Your Baby's Sleep 85-Infant Behavior 87-Other	88-Parenting 89-Safe Sleep 90-Welcome to Motherhood 91-Get Ready! Here Comes Baby! 96-COVID-19 Emergency Plan/BI Only 97-Safe Infant Sleep 98-Virtual Nutrition Education
Louisiana	2 - pregnancy training	3 - online training
North Carolina	EFNEP-EFNEP Topic General Lo-General Low-risk Topic Getting th-Getting the Support You Need for Baby's First Week In the Hos-In the Hospital – The First 48 Hours	Preparing-Preparing to Meet Your Newborn Returning-Returning to Work or School Television-Television viewing and screen time Understand-Understanding Your Newborn: Sleep, Crying, and Cue

Education category	State agency education code and description	
9 – Other (continued)		
Nebraska	All Participant Categories: Returned formula edu. due to disaster/pandemic-Formula can't be given aw All Participant Categories: Returned formula edu. due to disaster/pandemic-To destroy all unopened c All Participant Categories: Returned formula edu. due to disaster/pandemic-To only purchase 1-2 cans Breastfeeding: Breastfeeding in Months 2-6 -Teething Breastfeeding: Breastfeeding in the First Month -Hand Expression Breastfeeding: Breastfeeding in the First Month -Normal newborn behavior - cues crying sleep Infant: Baby Behavior-Baby Cues Infant: Baby Behavior-Crying Infant: Baby Behavior-Sleep Infant: BB - Infant Certification Visit - Babies cry for many reasons Infant: BB - Infant Certification Visit - Healthy sleep for baby Infant: BB - Your Baby Was Born With the Ability -I need something to be different	Infant: BB - Your Baby Was Born With the Ability -I want to be near you Infant: Breastfed Infant - During the First Month -Baby bellies - stomach sizes Pregnancy: BB - Normal Newborn Behavior -Planning for hospital stay Pregnancy: BB - Normal Newborn Behavior -Skin-to-skin contact Pregnancy: BB - Normal Newborn Behavior -What to expect on days 1-3 Pregnancy: BB - What to Expect When Your Baby Is Born-Crying - calming techniques and reasons babies Pregnancy: BB - What to Expect When Your Baby Is Born-Normal newborn sleep patterns Pregnancy: BB - What to Expect When Your Baby Is Born-Recognizing and responding to hunger cues Pregnancy: Third Trimester Topics -Hand Expression Pregnancy: Third Trimester Topics - Normal newborn behavior - cues crying sleep Pregnancy: Third Trimester Topics -The "First Hour" and skin-to-skin
Nevada	Breastfeeding: Return to Work/School - Return to Work/School Breastfeeding: Skin to Skin-Skin to Skin Certification: Core Contact-Developmental Milestones Child: Division of Responsibility-Division of Responsibility Child: Screen Time-Screen Time Infant: Safe Infant Sleep-Safe Infant Sleep Prenatal: Baby Behaviors-Baby Behaviors Prenatal: Baby Behaviors-Baby Behaviors Pregnancy Discomforts WICHealth.org: Internet-	WICHealth.org: Internet-Preparing to Meet Your Newborn WICHealth.org: Internet-Returning To Work Or School WICHealth.org: Internet-Understanding Your Baby's Sleep WICHealth.org: Internet-Understanding Your Baby's Cues WICHealth.org: Internet-Understanding Your Newborn: Sleep Crying and Cue
Ohio	NA	
Vermont	Baby Behavior: Crying -Calming baby by repetition Baby Behavior: Crying -Cries for reasons beyond hunger Baby Behavior: Crying -Hunger and fullness cues Baby Behavior: Crying -Reducing environmental overstimulation	Baby Behavior: Sleep-Sleep states progress: light/dreaming then deep Baby Behavior: Sleep-Waking frequently to eat is normal Breastfeeding_Infant / child: Basics-Limiting visitors in early postpartum Breastfeeding_Infant / child: Basics-Skin to skin

Education category	State agency education code and description	
9 – Other (continued)		
Vermont (continued)	Baby Behavior: Crying -Responding quickly to cries = less Baby Behavior: Cues-Engagement cues / disengagement cues Baby Behavior: Sleep-3 months: may sleep longer at night Baby Behavior: Sleep-6 months: "may" sleep up to 6 hours Baby Behavior: Sleep-6-8 weeks: waking at night is normal Baby Behavior: Sleep-Newborn to 6 weeks: wakes often day and night Baby Behavior: Sleep-Safe sleep environment Baby Behavior: Sleep-Sleep patterns change with growth and illness	Breastfeeding_Infant / child: Basics-Social support (family friends peer counselors) Breastfeeding_Infant / child: Hospital experience-Limit visitors Breastfeeding_Infant / child: Hospital experience-Skin-to-skin contact Breastfeeding_Infant / child: Returning to work / school-Laws supporting nursing moms in the workplace Community Partner Activity: Library Activity-Library Activity Nutrition Practices_Infant: Birth-6 months-Skin to skin
West Virginia	1-Alcohol 49-Child Problems 77-Exit Interview 141-Infant Problems 189-Postpartum Nutrition 201-Prenatal Nutrition	205-Prenatal Problems 299-9 Month Old 307-Emergency Food Supply 309-Safe Sleep 311-Addition/Deletion Tool
0 – No referral		
Choctaw Nation of Oklahoma	NA	
Florida	NA	
Indiana	80-No Show	81-Client Refused
Louisiana	0 - no training	
North Carolina	NA	
Nebraska	NA	
Nevada	NA	
Ohio	NA	
Vermont	Refused: Refused-Refused	
West Virginia	217-Refused Education	

Source: U.S. Department of Agriculture, Food and Nutrition Service, WIC Nutrition Assessment and Tailoring Study, State agency MIS data request.

Appendix E-3

Referral Categories and Codes

Referral Categories and Codes

State agencies submitted their referral codes and descriptions as documentation for their referral data. Each State has its own set of referral codes, which varied in numbers from 2 in Florida to 120 in the Choctaw Nation. All State agencies provided referral data. Most State agencies provided both a code number and a description, although some provided a text description only.

The study team grouped referral codes into 7 categories for analysis. The crosswalk below documents this categorization. Categorization relied on the referral code description. Edits to the lists included removal of duplicates (i.e., where the code number and description were identical.), as well as removal of the names of individuals and spelling corrections. Otherwise, descriptions are essentially as they submitted. Codes were not changed and may include abbreviated or truncated words. When the code description was not sufficient to determine the correct category, the study team categorized these as "Other." No additional information about the referral codes is available.

Table 4. Referral categories and codes

Referral category	State agency referral code and description	
1 – Breastfeeding		
Choctaw Nation of Oklahoma	4-PC – [Name] 32-PC – [Name] 39-IBCLC – [Name]	55-PC – [Name] 120-PC – [Name] 121-BFPC
Florida	NA	
Indiana	NA	
Louisiana	Breastfeeding	High Risk Referral To Breastfeeding
North Carolina	21-Breastfeeding Peer Counselor 23-IBCLC	26-Breastfeeding Support
Nebraska	BFG-Breastfeeding Support	BFPC-Breastfeeding Peer Counselor
Nevada	5-Breastfeeding Program 101-Lactation Services-IBCLC;	104-Lactation Services- CLE/CLC/DBE USDA-USDA WIC Breastfeeding Support
Ohio	19-Breastfeeding Support	
Vermont	5-Breastfeeding Support	
West Virginia	NA	
2 – Medical		
Choctaw Nation of Oklahoma	7-Health Department - Bryan County 11-CNHSA – Hugo 14-CNHSA - Broken Bow 16-CNHSA – Atoka 17-CNHSA – McAlester 33-Health Department - Atoka County 36-Health Department - Coal County 40-Health Department - Choctaw County 43-Health Department - Pushmataha County 47-Health Department - Pittsburg County 51-Health Department - Latimer County	54-Health Department - Haskell County 57-Health Department - Leflore County 60-Health Department - McCurtain County 62-CNHSA – Talihina 68-Great Physicians 81-Health Care Market Place 91-CNHSA – Durant 92-CNHSA – Idabel 93-CNHSA – Poteau 94-CNHSA – Stigler 119-Nutritionist

Referral category	State agency referral code and description	
2 – Medical (continued)		
Florida	2-Referred to private physician;	3-Referred to Immunization Clinic;
Indiana	BHCP-Health Care Provider CSHCS-Children with Special Health Care Services DENTA-Dental Program DME-Durable Medical Equipment (DME) provider – Other DMEC-Durable Medical Equipment (DME) provider – Coram DMEIH-Durable Medical Equipment (DME) provider – IU Health DMEL-Durable Medical Equipment (DME) provider – Lincare DMEWB-Durable Medical Equipment (DME) provider – Williams Bros FAMIL-Family Planning HBHCP-Health Care Provider HCP-Health Care Provider HD-Health Department	HIHMC-Indianapolis Healthy Start-Marion County HMABF-Healthier Moms and Babies (Agency 01) HMABT-Healthier Moms and Babies (Agency 01) HNFP-NFP (Nurse-Family Partnership) HOSPI-Hospital HPUBL-Public Health Nurse Services IMMUN-Immunization Program INFP-NFP (Nurse-Family Partnership) NFP-NFP (Nurse-Family Partnership) PRENA-Prenatal Clinics PUBLI-Public Health Nurse Services TEEN-Teen Pregnancy Program
Louisiana	High Risk Referral To Other Medical Referral High Risk Referral To Physician Referral Immunization Referral	Other Medical Referral Physician Referral Food Assistance Referral
North Carolina	1-Immunization 2-Low Hemoglobin 8-MH 10-Child Health 11-Prenatal Health Care Services 12-Family Planning Services 13-CMARC - Care Management for At Risk Children 14-Care Management for High-Risk Pregnancy (CMHRP) 15-Dental 16-Registered Dietitian	28-Pediatrician 29-Medical 31-Nurse Family Partnership 32-DME / Durable Medical Equipment Provider 45-Nurse Family Partnership 46-Communicable Disease 47-Health Education 48-Diabetes Self-Management 50-Children with special health care needs
Nebraska	DENT-Dental HCP-Health Care Provider HDPT-Health Dept HGB-Hematology	IMM-Immunizations LEAD-Lead Screening PHN-Public Health Nurse
Nevada	14-Family Planning 23-Local Health Dept 24-Local Health Dept Immunization Program 25-Local Health Dept Well Child Clinic 31-Private Physician's Office 57-Medical Services	73-Immunization NV11-Office of Consumer Health Assistance NV2-Nevada Check Up NV4-Oral Health/Dental Services NV8-Maternal, Child, & Adolescent Health
Ohio	2-Maternal and Child Health 3-CMH (Children with Medical Handicaps) 8-At-Risk Pregnancy Services 9-Primary Health Care 13-Immunizations	21-Weight Management 23-Lead 25-Oral Health 28-Family Planning

Referral category	State agency referral code and description	
2 – Medical (continued)		
Vermont	8-Child Development Screening 10-Children with Special Health Needs 11-Dental Services 17-Family Planning	28-Medical Care Provider IZ-Immunizations LD-Lead/Environmental Health
West Virginia	4-Family Planning 6-Health Center 10-Birth to Three 14-Local Health Department - Immunization 15-Women's Care Center 16-Private MD/PA/CNP - Low Hemoglobin 17-EPSDT/HealthCheck 18-Right From the Start 19-The Children with Special Heath Care Needs Program 20-Newborn Hearing Screening 21-Newborn Metabolic Screening 22-Occupational Therapy 24-WVU Center for Excellence in Disabilities (UACDD) 26-Dental Services 31-Help Me Grow 42-Private MD/PA/CNP - Immunization 43-Private MD/PA/CNP - Prenatal Care 49-WV Breast and Cervical Cancer Screening Program	51-Grant County Health Department - Immunization 52-Grant Memorial Pediatrics 53-Potomac Valley Medicine 54-Hardy County Medical 55-WV Birth to Three 56-Potomac Valley Family Dentistry 59-Potomac Valley Physicians for Women 61-Hardy County Health Department - Immunization 62-Pendleton County Health Department - Immunization 64-Physical Therapy 65-Speech Therapy 69-American Red Cross 75-West Virginia Autism Training Center 78-WV Commission for the Deaf and Hard of Hearing 79-WV Developmental Disabilities Council 112-InfantSEE 114-Private MD/PA/CNP - ht/wt 115-Family Nutrition Program
3 – Other benefit program		
Choctaw Nation of Oklahoma	1-DHS - BRYAN CO. 3-CN FDPIR - DURANT 10-CN HOUSING AUTHORITY 23-CN CHILD CARE ASSISTANCE 31-DHS - ATOKA CO. 34-DHS - COAL CO. 38-DHS - CHOCTAW CO. 41-DHS - PUSHMATAHA CO. 44-DHS- PITTSBURG CO. 48-DHS - LATIMER CO. 49-CN HIGHER EDUCATION & GRANT PROGRAM 52-DHS - HASKELL CO 56-DHS - LEFLORE CO. 59-DHS - MCCURTAIN CO. 61-CN FDPIR - POTEAU	71-SOONERCARE 86-FMNPS 88-CN LIHEAP 90-FMNP 96-HUD 97-CN FDPIR - ANTLERS 98-CN FDPIR - MCALESTER 103-SOCIAL SECURITY ADMIMISTRATION 106-CN EMPLOYMENT ASSISTANCE 114-CN NEXT STEP (SUPPLENTAL FOOD) DURANT 115-CN NEXT STEP (SUPPLENTAL FOOD) ANTLERS 116-CN NEXT STEP (SUPPLENTAL FOOD) MCALESTER 117-CN NEXT STEP (SUPPLENTAL FOOD) POTEAU 118-CN NEXT STEP (SUPPLENTAL FOOD) BROKEN BOW
Florida		NA

Referral category	State agency referral code and description	
3 – Other benefit program (continued)		
Indiana	HOOS-Hoosier Healthwise/Medicaid - Direct Referral HOOSI-Hoosier Healthwise/Medicaid BSNAP-SNAP BTANF-TANF EFNEP-NEP (EFNEP/FNP) EMERG-Emergency Food Assistance Program (TEFAP) FMNP-Farmers Market Nutrition Program FOOD-Food Bank/Food Pantries HBSNA-SNAP HBTAN-TANF HEMER-Emergency Food Assistance Program (TEFAP)	HFOOD-Food Bank/Food Pantries HHEFN-NEP(EFNEP/FNP) HHHEF-NEP(EFNEP/FNP) HHOME-Homeless Advocacy and/or Shelter JOB-Job Assistance MEDC-Medicaid Outreach Report Contact by WIC MEDO-Medicaid Outreach Report Contact by WIC SNAP-SNAP SSI-SSI SUBSI-Subsidized housing TANF-TANF
Louisiana	Food Assistance Referral	High Risk Referral To Food Assistance Referral
North Carolina	4-SNAP 5-Medicaid 6-TANF 7-School Lunch	18-Food Bank/Food Pantry 41-Employment Assistance 43-Heating Assistance 44-Housing
Nebraska	MC-Medicaid	
Nevada	8-Food Bank / Commodities 34-School Food Program 55-Food Stamp / SNAP 61-Emergency Food and Shelter;	80-Medicaid 103-DWSS Referral NV1-Low Income Home Energy Assistance Program NV6-Inter-Tribal Council of Nevada (ITCN)
Ohio	1-CDJFS 5-OWF 6-Food Assistance 7-County Public Children Services Agencies	10-Healthchek/Medicaid 11-EFNEP (Cooperative Extension) 16-Food Bank 18-Social Service Agency
Vermont	1-Medicaid/Dr Dynasaur/VHC 3-ReachUp (TANF) 9-Childcare Subsidy 21-Housing/Shelter/Energy Assistance	27-Food Shelf 32-3SquaresVT 34-EFNEP - UVM Extension 35-School/Summer Meals Programs
West Virginia	1-WVDHHR - TANF 2-WVDHHR - Medicaid 3-WVDHHR - SNAP 13-HUD 28-WVU Extension (EFNEP) 35-Food Pantry 73-Worker's Compensation 80-Raleigh County Housing Authority 81-Beckley Housing Authority 82-McMechen Housing Authority 83-Bluefield Housing Authority 84-Buckhannon Housing Authority 85-Charleston/Kanawha Housing Authority 86-Clarksburg/Harrison Housing Authority 87-Boone County Housing Authority 88-Mingo County Housing Authority	92-Fairmont/Morgantown Housing Authority 93-Grafton Housing Authority 94-Huntington Housing Authority 95-Keyser Housing Authority 96-Greenbrier County Housing Authority 97-Martinsburg Housing Authority 98-Mount Hope Housing Authority 99-Parkersburg Housing Authority 100-Grant County Housing Authority 101-Piedmont Housing Authority 102-Pt Pleasant Housing Authority 103-Jackson County Housing Authority 104-Romney Housing Authority 105-St Albans Housing Authority 106-South Charleston Housing Authority 107-Spencer Housing Authority

Referral category	State agency referral code and description	
3 – Other benefit program (continued)		
West Virginia (continued)	89-Dunbar Housing Authority 90-Randolph County Housing Authority 91-Elkins Housing Authority	108-Weirton Housing Authority 109-Weston Housing Authority 110-Wheeling Housing Authority 111-Williamson Housing Authority
4 – Behavioral health		
Choctaw Nation of Oklahoma	18-CN Project Empower 19-CN Recovery Center 21-CN - Chi Hullo Li	102-CN Dare Program 109-OK Dept Of Mental Health & Substance Abuse 110-Tobacco Help Line
Florida	NA	
Indiana	ALCOH-Alcohol/Drug Abuse BABY-Baby and Me Tobacco Free (BMTF) INDIA-Indiana Quitline - I - State MOU	MENTA-Mental Health Services SMOKI-Smoking Program
Louisiana	NA	
North Carolina	19-Behavioral Health Services 20-Substance Abuse	34-Smoking Cessation 39-Grief/Loss/Hospice
Nebraska	MENT-Mental Health Provider	
Nevada	35-Substance Abuse Treatment 53-Smoking Cessation Program	72-Mental Health
Ohio	14-Alcohol and Drug Counseling/Behavioral Health	26-Smoking Cessation
Vermont	36-Smoking Cessation 38-Substance Abuse Counseling	MH-Mental Health Provider
West Virginia	23-WVU Genetics Evaluation and Counseling Center 25-Substance Abuse Counseling 27-Mental Health Services 29-WV Tobacco Quitline 45-Al-Anon/Al-A-Teen	46-Alcoholics Anonymous 47-Problem Gamblers Network 48-WV Prescription Drug Abuse Quitline 70-Narcotics Anonymous 71-National Runaway Safeline 77-WV Division of Rehabilitation Services
5 – Other social services		
Choctaw Nation of Oklahoma	5-CN Vocational Development Program 6-OK Family Centered Services 8-Kiamichi Technology Center - Poteau 9-Kiamichi Technology Center - Idabel 12-CN Workforce Investment- WIA 13-CN Head Start 15-Kiamichi Technology Center - Hugo 20-OK Child Support Services 22-CN Project Safe 24-CN Daycare - Durant 25-Kiamichi Technology Center - McAlester 26-Kiamichi Technology Center - Durant 27-Kiamichi Technology Center - Spiro 28-CN Daycare - Stigler 29-Kiamichi Technology Center - Atoka 30-CN Daycare - Bennington 35-CN Adult Education Program 37-CN Daycare - Idabel 42-Kiamichi Technology Center - Antlers	67-OSU Extension - Bryan Co. 69-Sorts 70-Sooner Ride 72-OSU Extension - Atoka Co. 73-OSU Extension - Choctaw Co. 74-OSU Extension - Coal Co. 75-OSU Extension - Haskell Co. 76-OSU Extension - Latimer Co. 77-OSU Extension - Leflore Co. 78-OSU Extension - McCurtain Co. 79-OSU Extension - Pittsburg Co. 80-OSU Extension - Pushmataha Co. 82-OK Coalition Against Domestic Violence 83-Kiamichi Technology Center - Stigler 84-Kiamichi Technology Center - Talihina 85-CN Nutrition Services 87-CN Family Caregivers Program 89-CN Social Services 104-CN Better Beginnings

Referral category	State agency referral code and description	
5 – Other social services (continued)		
Choctaw Nation of Oklahoma (continued)	45-OK Child Care Services 46-OK Children's Services 50-CN Daycare - Talihina 53-CN Career Development 58-CN Daycare – Coalgate 63-Hands Of Hope	105-CN Sept Program 107-Strong Start 108-Sooner Start 111-CN Transit 113-CN Injury Prevention
Florida	NA	
Indiana	HFS-Healthy Families - I - State MOU CARE-Care Coordinator CPS-Child Protective Services (DCS) CSEP-Child Support Enforcement Program DAY-Day Care DIVIS-Division of Family Resources (DFR) DOMES-Domestic Violence Program EARLY-Early Head Start Program EDUCA-Education Programs: GED, Prenatal, Parenting EHDST-Early Head Start Program FIRST-First Steps HDIVI-Division of Family Resources (DFR) HDOME-Domestic Violence Program	HEAD-Head Start Program HEDST-Head Start/Early Head Start HEDUC-Education Programs: GED, Prenatal, Parenting HHCPS-Child Protective Services (DCS) HMIGR-Migrant Farm Workers Organization HOMEL-Homeless Advocacy and/or Shelter HOUSI-Housing/Heat HXFAM-Healthy Families IHSMC-Indianapolis Healthy Start-Marion County LEAD-Lead Program' LEGAL-Legal Services MCWMU-Marion County WIC Mobile Unit MIGRA-Migrant Farm Workers Organization
Louisiana	Education Referral High Risk Referral To Education Referral	High Risk Referral To Other Referral Organization Social Service Organization
North Carolina	3-Homeless 9-Children's Developmental Services Agency 17-Head Start 24-Pregnancy Resources	25-Domestic Violence 27-Crisis Services 37-Childcare 38-Schools 42-Family Support
Nebraska	EDN-Early Development Network FOOD-Food Resources	HEAD-Head Start
Nevada	10-Battered Women's Shelter 11-Legal Services 12-Early Intervention 16-Head Start 43-Child Support Enforcement 58-Child Care 59-Child Protective Services 62-Clothing and Household Items	63-Workforce Services 102-Domestic Violence NV3-Homeless Shelter NV5-Migrant Services NV7-Foster Child Services NV9-Child & Family Services NV10-Aging and Disability Services
Ohio	4-HMG Home Visiting 12-Child Support Enforcement	15-GRADS 17-Head Start
Vermont	2-Home Visiting Program 4-CIS (Children's Integrated Services) 6-Community Action Agency 7-Educational Opportunities - adult 12-Economic Services 16-Foster Care Program 20-Headstart/Early Education	33-Prenatal Classes 39-Transportation Services CH-Child Care CR-Community Resource DV-Domestic Violence and Abuse Protective Services FA-Family Services

Referral category	State agency referral code and description	
5 – Other social services (continued)		
West Virginia	5-Head Start Program 7-Legal Aid of WV 8-Public/Private School 11-Community Organization 12-Child Support 30-WV Foodlink 34-The National Domestic Violence Hotline 36-Adult Literacy Education Network 37-Adult Basic Education 38-Workforce WV	39-Childcare Resource and Referral 40-Community Action Agencies 41-Transportation Services 44-WV Abuse Hotline 50-EACHS Head Start 58-Pendleton Community Care 66-County Library 67-Weatherization Program 68-Family Resource Network 72-Veterans Administration 76-Sky-Hi Preschool Program
9 – Other		
Choctaw Nation of Oklahoma	2-Department Of Vital Records 64-St. Catherine's House 65-Colbert 1st Baptist 66-River Of Life	95-Genealogy 100-Recycling Center 101-CN Public Safety Department 112-Voter Motor
Florida	NA	
Indiana	BBS-Billboards BBYST-Baby stores COSGN-Consignment shops FAM-Family Member FBK-Facebook FRD-Friend GROCE-Local grocery stores HHOUS-Housing/Heat HOTHE-Other (See Chart Notes) HTOWN-Township Trustee LIBRA-Libraries	NEWS-Newspaper Announcement OBN-OB Navigator OTH-Other OTHER-Other (See Chart Notes) POST-Poster/Flyer/Pamphlet SMG-Shopping Mall Graphics SMO-Social Media (other than Facebook) TOWNS-Township Trustee TVR-TV/Radio Announcement WICP-Household Member on WIC
Louisiana	High Risk (103A) Referral To is Pending High Risk (132) Referral To is Pending High Risk (134) Referral To is Pending High Risk (135) Referral To is Pending High Risk (141B) Referral To is Pending High Risk (302) Referral To is Pending High Risk (341) Referral To is Pending High Risk (342) Referral To is Pending High Risk (343) Referral To is Pending High Risk (345A) Referral To is Pending High Risk (346) Referral To is Pending High Risk (347) Referral To is Pending	High Risk (348) Referral To is Pending High Risk (349) Referral To is Pending High Risk (354) Referral To is Pending High Risk (362) Referral To is Pending High Risk (602) Referral To is Pending High Risk (603) Referral To is Pending High Risk Referral To High Risk Referral To is Pending Other Referral Organization High Risk Referral To WIC 21 Referral Brochure WIC 21 Referral Brochure
North Carolina	22-Parenting Skills 30-Family & Consumer Education 33-Postpartum Home Visit 35-Environmental Health / Well Water Testing	36-Car Seat Safety 40-NC Referrals 49-Transportation
Nebraska	OTHR-Other Programs	OUTR-Outreach Organization
Nevada	26-Media/Outreach 28-Military Clinic 33-School/Preschool 38-Other	52-Referral Sheet Given COVI-CARES- WIC Shopping NV13-NevadaWIC.org

Referral category	State agency referral code and description	
9 – Other (continued)		
Ohio	20-Moms and Babies First 22-Word of Mouth	24-Car Seat Program
Vermont		30-Parent-Child Center/Parenting; WC-WIC Clinic - Other
West Virginia	9-Faith-Based Organization 57-Petersburg High School 60-Moorefield High School	63-Pendleton County High School 74-Make-A-Wish Foundation 113-Parents as Teachers
0 – No referral		
Choctaw Nation of Oklahoma	NA	
Florida	NA	
Indiana	NO-No Referral Made	
Louisiana	Refused High Risk Referral To Breastfeeding Refused High Risk Referral To Education Referral Refused High Risk Referral To Food Assistance Referral Refused High Risk Referral To Immunization Referral Refused High Risk Referral To Other Medical Referral	Refused High Risk Referral To Other Referral Organization Refused High Risk Referral To Physician Referral Refused High Risk Referral To Social Service Organization Refused High Risk Referral To WIC 21 Referral Brochure
North Carolina	NA	
Nebraska	NONE-No Programs at This Time	
Nevada	51-No Referrals Needed	
Ohio	27-None	
Vermont	NO-No Referrals	
West Virginia	NA	

Source: U.S. Department of Agriculture, Food and Nutrition Service, WIC Nutrition Assessment and Tailoring Study, State agency MIS data request.

Appendix E-4

Logistic Regression Analysis Methodology

Logistic Regression Analysis Methodology

Maximum Monthly Allowance Tailoring

When identifying the appropriate sample for the MMA tailoring regression models there were several important considerations:

- Data on local agency type (local health department, health center, nonprofit, or other) were collected for all local agencies who responded to the WIC NATS Local Agency Director Survey. The study team excluded this variable from this analysis because it was consistently statistically insignificant, did not change the analysis when removed, and provided little narrative explanation to predict maximum monthly allowance (MMA) tailoring.
- Initially, the number of nutritional risks assigned was included as a predictor for MMA food and formula tailoring. Upon further investigation, there was a high correlation between the number of risks assigned and the nutritional risk type. The team removed the number of nutritional risks assigned to avoid multicollinearity and unnecessary noise in the model.
- Food Package III assignment is an important predictor of whether a participant will receive any food tailoring. Choctaw Nation and Ohio were excluded from models 1 and 2 because they did not provide the variable the team used to identify Food Package III assignments.

Table 5 provides descriptive statistics of the two samples the team used to evaluate the odds of a participant receiving MMA food tailoring. The women and children model predicted MMA food tailoring for any foods other than milk, because State agencies tailored milk MMA for 94 percent of participants (see section 6.1 of the main report); the infant model predicted only formula-based MMA tailoring. There were 428,248 women and children included in model 1; seven percent of the total women and children in the WIC NATS State agency MIS database were excluded due to missing values for one or more analytic variables. Approximately five percent of the sample were identified as having MMA food tailoring. Less than one percent of women and children were American Indian, two percent were Asian or Pacific Islander, and approximately 30 percent were non-Hispanic White (32%), non-Hispanic Black (31%), or Hispanic (34%). These percentages match the general WIC population in the study State agencies (32% of participants were Hispanic/Latino; see Table 4.1 in the main report).[1] More than half of women and children were certified in Florida, followed by Indiana and North Carolina (55%, 17%, and 10%, respectively). More than half of women and children were

[1] American Indian participants were underrepresented in this sample due to the exclusion of Choctaw Nation, where 18 percent of participants were American Indian.

assigned an anthropometric or dietary nutritional risk (55%), 29 percent were assigned a clinical/health/medical risk, and 17 percent were assigned a biochemical or other risk. Most participants were certified in an urban local agency (89%). Nearly 70 percent of women and children were certified at a large local agency, 28 percent at a medium-sized local agency, and under four percent at a small local agency. Children represented more than 60 percent of the sample.

There were 129,940 infants included in model 2; 17 percent of all infants in the WIC NATS State agency MIS database were excluded due to missing values of the analytic variables. Forty-seven percent of infants had MMA formula tailoring (compared to 15 percent for the whole population, calculated using data from Appendix F Table 13.2a). The distribution of infants by State agency, urbanicity, and local agency size was consistent with the women and children sample in model 1. Unlike the women and children sample, however, approximately 62 percent of infants were assigned some other nutritional risk, compared to nine percent of women and children.

Table 5. Descriptive statistics for regression model analytic universes

	Women and children		Infants	
	N	Percent	N	Percent
MMA food tailoring (excluding milk)	22,052	5.15	-	-
MMA formula tailoring	-	-	60,776	46.8
Race/ethnicity				
American Indian	2,075	0.48	596	0.46
Asian or Pacific Islander	10,357	2.42	2,519	1.94
Non-Hispanic White	136,860	32.0	38,168	29.4
Non-Hispanic Black	133,377	31.1	44,281	34.1
Hispanic	145,559	34.0	44,376	34.2
State agency				
Florida	236,070	55.1	76,267	58.7
Indiana	73,572	17.2	19,323	14.9
Louisiana	34,647	8.09	10,858	8.36
Nebraska	8,391	1.96	2,907	2.24
Nevada	19,134	4.47	5,613	4.32
North Carolina	41,798	9.76	9,606	7.39
Vermont	2,931	0.68	740	0.57
West Virginia	11,705	2.73	4,626	3.56
Nutritional risk type[a]				
Anthropometric risk	232,907	54.4	71,829	55.3
Biochemical risk	74,009	17.3	376	0.29
Clinical/health/medical risk	122,909	28.7	16,705	12.9
Dietary risk	235,356	55.0	34,006	26.2

	Women and children		Infants	
	N	Percent	N	Percent
Nutritional risk type[a] (continued)				
Other risk	37,757	8.82	80,153	61.7
Urban local agency	379,724	88.7	117,079	90.1
Local agency size				
Small agency	15,579	3.64	4,286	3.30
Medium agency	119,286	27.9	34,073	26.2
Large agency	293,383	68.5	91,581	70.5
Certification category				
Pregnant women	55,227	12.9		
Breastfeeding women	53,337	12.5		
Postpartum women	44,724	10.4		
Children	274,960	64.2		
Food package III assignment	8,806	2.06	16,715	12.86
Number of participants	428,248	100.0	129,940	100

Source: USDA, FNS, WIC NATS, State agency MIS data request. Reference date: January-February 2020.
[a] Participants may be assigned up to 10 nutritional risks.
Choctaw Nation and Ohio were excluded because they did not provide the variable the team used to identify Food Package III assignments.
MMA= maximum monthly allowance
Food MMA tailoring excludes any milk related tailoring.

Medical Referral Assignment

In determining the appropriate sample for the medical referral assignment regression analysis, the study team noted that Florida assigned medical referrals only, and only assigned them to infants and children. Therefore, the study team excluded Florida from this analysis. Also, while the study team considered Food Package III assignment as an indicator for this analysis, they discovered during testing that this variable was not statistically significant, and its exclusion did not change the results.[2] Excluding Food Package III allowed the Choctaw Nation to be included in this analysis.

Unlike the MMA tailoring model, this model includes a variable for local agency type. Local agency types can be local/county health departments, health center/clinics, nonprofits, or other. Most clinics are local health departments; therefore, the study team created a binary indicator of local health department (1) and all other types (0).

Table 6 identifies the three samples used to evaluate the odds of receiving a medical referral. There were 78,502 women included in model 1; approximately 10 percent of the total non-

[2] Food Package Type III statistically significantly reduced the odds of a medical referral for infants only. Results not shown.

Florida women in the WIC NATS State agency MIS database were excluded due to missing values on the analytic variables.[3] Approximately 37 percent of the sample of women received a medical referral. American Indian women made up slightly more than one percent of the sample, three percent were Asian or Pacific Islander, 47 percent non-Hispanic White, 32 percent non-Hispanic Black, and 18 percent were Hispanic. Hispanic participants are underrepresented in this sample due to the exclusion of Florida (44% of Florida's participants identified as Hispanic/Latino; see Table 1c in Appendix F). Nearly one-third of women included in this analysis were certified in Indiana, followed by North Carolina and Louisiana (31%, 25%, and 15%, respectively). More than half of women were assigned an anthropometric or clinical/health/medical risk, and approximately 20 percent each were assigned a biochemical, dietary, or other nutritional risk. About 45 percent of women were certified in a medium or large local agency and six percent in a small local agency. Approximately 36 percent of women were pregnant or postpartum and approximately one-quarter were certified as breastfeeding.

There were 118,867 children included in model 2. Among the State agencies included in the model, approximately 10 percent of the total children in the WIC NATS State agency MIS database were excluded from this analysis due to missing values on the analytic variables.[4] Approximately half of children received a medical referral (52%). The distribution of participants among State agency, urbanicity, local agency size, and local agency type is consistent with the women sample. Unlike women, approximately 67 percent of children were assigned a dietary nutritional risk and only 12 percent were assigned a clinical/health/medical risk.

There were 65,659 infants included in model 3. Approximately nine percent of the total non-Florida infants in the WIC NATS State agency MIS database were excluded due to missing values on the analytic variables.[5] Approximately half of infants were assigned a medical referral (47%). The distribution of participants among State agency, urbanicity, local agency size, and local agency type is consistent with the women and children sample. Unlike the women and children sample, approximately two-thirds of infants are assigned other nutritional risks (67%).

[3] Florida is not included in this analysis, but if you count Florida participants among those excluded from the analysis, then 54 percent of women were excluded from this regression analysis. Likewise, 59 percent of children and 58 percent of infants were excluded when counting Florida.

[4] Florida is not included in this analysis, but if you count Florida participants among those excluded from the analysis, then 54 percent of women were excluded from this regression analysis.

[5] This percentage is out the population excluding Florida. Out of the whole population of the study, 58% of infants are excluded.

Table 6. Descriptive statistics for regression model analytic universes

	Women		Children		Infants	
	N	Percent	N	Percent	N	Percent
Medical referral	28,765	36.64	60,805	51.15	30,936	47.12
Race/ethnicity						
American Indian	1,023	1.30	2,035	1.71	1,182	1.80
Asian or Pacific Islander	2,069	2.64	4,332	3.64	1,622	2.47
Non-Hispanic White	36,745	46.8	52,553	44.2	28,621	43.6
Non-Hispanic Black	24,739	31.5	33,840	28.5	21,237	32.3
Hispanic	13,926	17.7	26,107	22.0	12,997	19.8
State agency						
Choctaw Nation	774	0.99	1,911	1.61	1,095	1.67
Indiana	24,626	31.4	47,609	40.1	26,133	39.8
Louisiana	11,609	14.8	13,788	11.6	8,363	12.7
Nebraska	2,504	3.19	5,925	4.98	2,938	4.47
Nevada	4,783	6.09	12,641	10.6	5,158	7.86
North Carolina	19,269	24.6	20,615	17.3	10,007	15.2
Ohio	10,051	12.8	6,584	5.54	6,561	9.99
Vermont	791	1.01	2,149	1.81	762	1.16
West Virginia	4,095	5.22	7,645	6.43	4,642	7.07
Nutritional risk type[a]						
Anthropometric risk	56,578	72.1	45,861	38.6	31,695	48.3
Biochemical risk	14,906	19.0	11,890	10.0	342	0.52
Clinical/health/medical risk	51,254	65.3	14,155	11.9	4,379	6.67
Dietary risk	18,799	24.0	79,107	66.6	16,314	24.9
Other risk	17,441	22.2	9,486	7.98	43,873	66.8
Urban local agency	60,999	77.7	91,210	76.7	51,720	78.8
Local agency size						
Small agency	5,054	6.44	7,547	6.35	3,858	5.88
Medium agency	36,164	46.1	53,522	45.0	28,644	43.6
Large agency	37,284	47.5	57,798	48.6	33,157	50.5
Local Health Department	46,054	58.7	58,860	49.5	33,816	51.5
Certification category						
Pregnant women	29,686	37.8	-	-	-	-
Breastfeeding women	20,832	26.5	-	-	-	-
Postpartum women	27,984	35.7	-	-	-	-
Number of participants	78,502	100	118,867	100	65,659	100

Source: USDA, FNS, WIC NATS, State agency MIS data request. Reference date: January-February 2020.

[a] Participants may be assigned up to 10 nutritional risks.

Notes: Florida was excluded from this analysis because medical referral was the only referral assignment in the Florida data and it was only assigned to infants and children.