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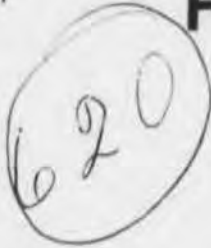
United States
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Consumer
Service

Office of
Analysis and
Evaluation

Study of WIC Participant and Program Characteristics 1994

Final Report



5A

**STUDY OF WIC PARTICIPANT
AND
PROGRAM CHARACTERISTICS
1994**

December 1995

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The 1994 study of WIC participant and program characteristics, like its predecessors in 1990 and 1992, must be dedicated to our friends and colleagues in State WIC agencies. They provide all of the data presented in this report and its appendices. We gratefully and humbly acknowledge their cooperation and commend the diligence of the WIC Program in creating and maintaining viable, practical client information systems.

Denise Thomas, the project officer at the Food and Consumer Service (FCS), has been unstinting in providing support and guidance and has maintained her sense of humor for the past eighteen months. Others at FCS who have given generously of their time and knowledge include: Julie Kresge, Laurie Hickerson, and Matthew McKearn.

At Abt Associates, Nancy Burstein and Michael Puma provided technical guidance and useful commentary; Eileen McEnaney ably and cheerfully assisted in report production.

EXECUTIVE SUMMARY

The Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) is administered by the Food and Consumer Service (FCS) of the US Department of Agriculture (USDA). The WIC Program provides a combination of direct nutritional supplementation, nutrition education and counseling, and increased access to health care and social service providers for pregnant, breastfeeding, and postpartum women; infants; and children up to the age of five years. WIC seeks to improve fetal development and reduce the incidence of low birthweight, short gestation, and anemia through intervention during the prenatal period. Infants and children who are at nutritional or health risk receive food supplements, nutrition education, and access to health care services to maintain and improve their health and development.

To receive WIC benefits, an individual must be categorically eligible; that is, the person must be a pregnant, breastfeeding, or postpartum woman; an infant up to the age of one year; or a child aged one through four years. In addition, each applicant must be found to be income eligible and at nutritional risk. Eligible applicants receive supplemental food usually in the form of vouchers or checks which allow them to obtain specific types of food (milk, juice, cereal, for example) from participating retail grocers.

The WIC Program was established in 1972 by an amendment to the Child Nutrition Act of 1966. WIC has greatly expanded since its inception, and, in April 1994, WIC served almost seven million participants at an annual cost of over three billion dollars.

Public Laws 99-500 and 99-591, enacted in 1986, require FCS to submit biennial reports to the Congress on current participant and program characteristics in the WIC Program. This legislation specifies that each biennial report must include:

- Information on the income and nutritional risk characteristics of WIC participants.
- Data on WIC program participants for migrant farm worker families.
- Other information on WIC participation that is deemed appropriate by the Secretary of Agriculture.

This publication is the fourth report which has been prepared to meet the legislative mandate to provide information on WIC participants and programs to the Congress.

The 1994 Study

The 1994 study of WIC program and participant characteristics (PC94), like the 1992 study (PC92), is substantially different from earlier efforts to collect data on WIC participants. PC94 employs the prototype reporting system which was developed by FCS for the 1992 study and which routinizes the collection of participant information from State WIC agencies. Earlier FCS studies of the WIC Program—in 1984 (PC84), 1988 (PC88), and 1990 (PC90)—were based on

nationally representative samples of WIC participants and programs. PC94, like PC92, contains information on a near-census of WIC participants in April 1994.

Participant Records. The current system for reporting participant data is based on the automated transfer of an agreed-upon set of data elements. State WIC agencies download routinely collected information which is on their existing automated client and management information systems. State and local WIC staff use these data to certify applicant eligibility for WIC benefits and to issue food vouchers and checks. This Minimum Data Set (MDS), which consists of eighteen items, was developed by FCS working with the Information Committee of the National Association of WIC Directors (NAWD).

For the month of April 1994, each State WIC agency submitted MDS data on either a representative sample or a census of its WIC participants. In April of 1994, there were eighty-four State WIC agencies: the fifty States, the District of Columbia, Guam, Puerto Rico, and the American Virgin Islands, along with thirty Indian Tribal Organizations (ITOs). All eighty-four WIC agencies provided data for PC94.

Two of the eighty-four submitting agencies chose to report on representative samples rather than censuses of their WIC participants. These States include Connecticut and Montana and account for about 1.3 percent of PC94's participant records. These data are weighted so that the total numbers of WIC participants reported here correspond to the total US WIC population in April 1994.

The State-maintained automated information systems from which PC94 data are drawn do not always contain complete information on every individual enrolled in the WIC Program. Unreported PC94 data may be unavailable for a variety of reasons which may indicate that participants in any of the not-reported categories may be different from those individuals with data reported. Assumptions regarding missing data vary by the nature of the variable and by the category of WIC participant. To account for these anomalies, a uniform strategy has been adopted for preparing all tables in this report. Data not reported are included in the calculation of percentage distributions for each characteristic. While including missing data in the denominators for all calculations tends to place estimates for each characteristic at a lower bound, this approach has allowed consistent presentation of tabulations throughout the report. Further, it assures that all information needed to calculate upper-bound estimates is readily available in every table. Caution should be used in comparing results across groups; missing data must always be considered in gauging differences between, among, or across groups or categories of WIC participants.

A second note of caution must be sounded here. Because of data quality issues in one large State, it is likely that the PC94 estimate of number of one-year-old WIC enrollees is 0.008 percent high. As a result, the PC94 estimate of number of WIC infants is about 1.0 percent low.

Summary of State Programs. The 1994 study, like earlier studies, included a survey of State WIC agencies which obtained information on WIC program characteristics. This survey was conducted by mail, with telephone followup. Data were collected on State WIC operating policies and procedures for income determination, food package tailoring, food instrument issuance, and average monthly food package costs by participant category.

All of the eighty-four State WIC agencies operating in April 1994 completed the survey questionnaire. During the two-year period between April 1992 and April 1994, little change has occurred in WIC program operations and procedures.

The 1994 WIC Program

In 1994, WIC services were delivered in the fifty States, the District of Columbia, Puerto Rico, Guam, and the American Virgin Islands as well as by thirty Indian Tribal Organizations. These eighty-four State WIC agencies operated 2,129 local WIC agencies where staff delivered WIC services at about ten thousand service sites. Just about half (49 percent) of all WIC participants receive services in nine States—California, Florida, Georgia, Illinois, Michigan, New York, Pennsylvania, Ohio, and Texas. In fact, more than one-quarter (28.3 percent) of WIC participants can be found in three states—California, New York, and Texas. This proportion has grown from 25.3 percent in 1992.

Participant Characteristics in 1994

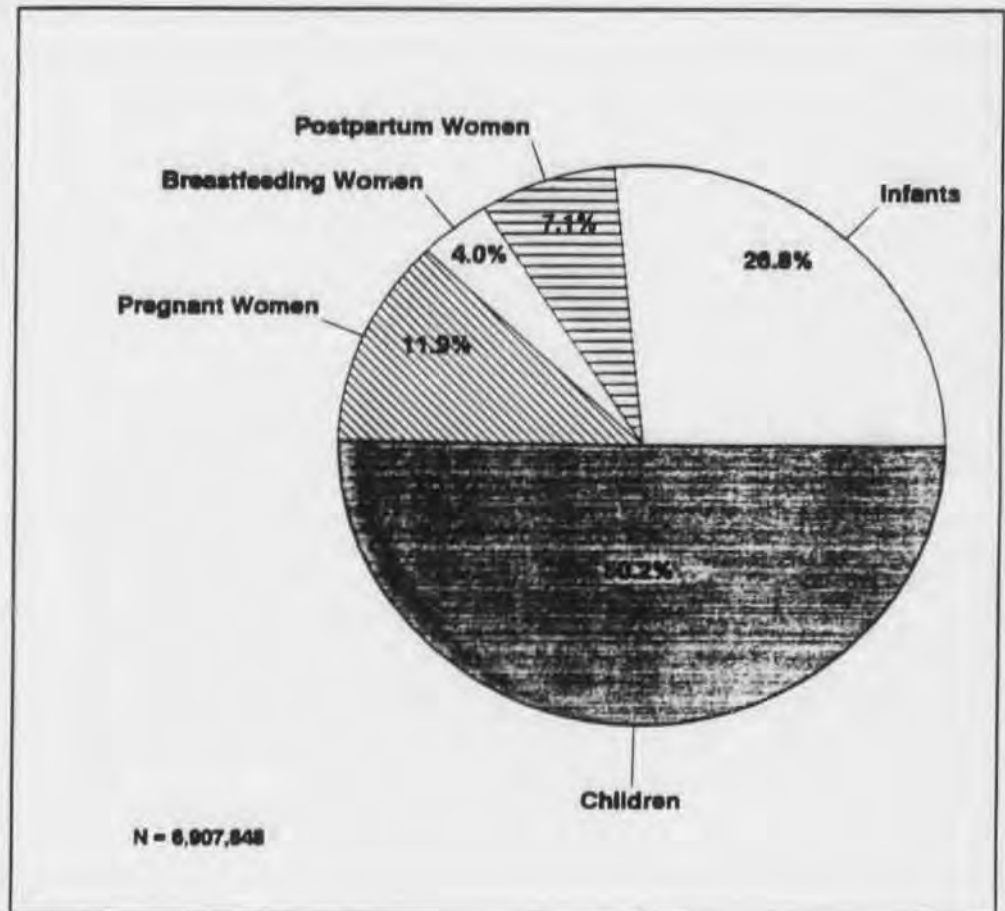
In April 1994, 6,907,848 women, infants, and children were enrolled in the WIC Program—a 20 percent increase over WIC enrollment reported in 1992. A caution must be raised with regard to comparing PC92 and PC94 with their near censuses of WIC enrollees to findings from earlier studies. Previous projects have generally reported program participation as measured by food instrument issuance. PC92 and PC94 provide information on all individuals listed as WIC Program enrollees on management and client information systems maintained by State WIC agencies. It is likely that, in most States, food instruments were not issued to small percentages of these enrollees. Some of the increase in WIC participation from 1990 to 1994 can be attributed to this difference in measurement. Some of the 1992-to-1994 growth is the result of targeting certain States to receive increased funding in order to serve larger proportions of eligible populations.

Half (50.2 percent) of WIC participants are children. Infants account for 26.8 percent and women 23.0 percent. This distribution contains a slightly higher proportion of children than seen in 1990 and 1992 and a somewhat lower proportion of infants (30.1 in 1992 and 29.8 in 1990). This shift may reflect declining US birthrates.

Women were further divided into pregnant (11.9 percent of all participants), breastfeeding (4.0 percent of all participants), and postpartum (7.1 percent of all participants). The percentage of postpartum participants increased by 2 percentage points from PC92, while the percentage of pregnant WIC participants decreased by 1.6 percentage points. See Exhibit E.1.

Exhibit E.1

Distribution of Individuals Enrolled in the WIC Program April 1994



Most (82 percent) of the pregnant women participating in WIC are between the ages of 18 and 34 as are high proportions of breastfeeding (83.7 percent) and postpartum (83.0 percent) women. Only 10.3 percent of women WIC clients are aged seventeen or younger. Over three-quarters (84 percent) of all infant WIC participants were certified for WIC benefits during their first three months of life. Child participation decreases as age increases—most (40 percent) child participants are one year of age.

It is important to reiterate here that the findings reported in this volume must be interpreted through the lens of unreported data. For example, with regard to age, information to calculate this variable was not reported for 1.5 percent of women, 3.0 percent of infants, and 2.5 percent of children.

About the same proportions of pregnant WIC participants enrolled in the program during their first (38.9 percent) and second (40.1 percent) trimesters. These figures represent a 5.2 percentage point increase in first trimester enrollment since 1992 and a 1.5 percentage point decrease in second trimester enrollment. Data needed to calculate trimester were not reported for 10.3 percent of pregnant WIC participants. In 1992, the not-reported percentage was 8.8.

Race and Ethnicity. In the 1994 study, as in previous studies, whites made up the largest percentage of WIC participants (42.7 percent), followed by Hispanics (26.1 percent), blacks (25.4 percent), Asian or Pacific Islanders (2.6 percent), and American Indian or Alaskan Natives (1.7 percent). Race/ethnicity data were reported for 98.4 percent of WIC participants. This distribution indicates small increases, since PC92, in the percentages of Hispanic and Asian or Pacific Islanders with corresponding decreases among black and white enrollees.

Household Size. The mean household size of WIC participants in April 1994 was 4.0, a slight increase from the 3.8 average reported in 1992. The percent of pregnant women certified as one-person households was 17.8 percent—about the same as reported in PC92. Overall, information on household size was reported for 98.9 percent of WIC participants.

Income. Among WIC participants reporting some income, the average annualized income of families/economic units of persons enrolled in the WIC Program in April 1994 was \$9,684, an increase of \$393 since 1992. This increase in current dollars is probably a decrease in real dollars, that is, the higher average most likely reflects inflation rather than increased income. Across participant categories, breastfeeding women reported the highest average income at \$11,032; postpartum women exhibited the lowest average income at \$9,197. These findings replicate PC92 results. As in 1988, 1990, and 1992, black participants displayed the lowest average income—\$7,281 for families or economic units, a decrease from \$7,329 reported for PC92. As they did in the 1992 study, Asian or Pacific Islander participants had the highest average annualized income at \$11,667. Findings about income must be interpreted with caution given the high proportion of unreported information. For PC94, income cannot be calculated for 16.4 percent of WIC participants—virtually the same proportion (16.7 percent) of unreported income data as in PC92.

Participation in Other Programs. WIC legislation allows income eligibility requirements to be met by participation in means-tested programs such as the Medicaid, Food Stamp, and Aid to Families with Dependent Children (AFDC) Programs. In 1994, about two-thirds of WIC participants received benefits from at least one other public assistance program. With regard to participation in each program, 53 percent of WIC clients received Medicaid benefits; 37 percent participated in the Food Stamp Program; and 27 percent of WIC participants reported receiving AFDC benefits. Less than one-quarter (22.9 percent) participated in all three programs, receiving Medicaid, food stamp, and AFDC benefits. Such data were not reported for 7.8 percent of 1994 WIC recipients.

These estimates of reported participation in other programs may well represent a lower bound. At certification, staff in local WIC agencies provide information on other programs so that some WIC clients apply for these benefits after they are certified to receive WIC benefits and this information on program participation is recorded.

Poverty Status. Compared with the general US population, the WIC population is distinctly poor, with two-thirds of WIC participants at or below the poverty line. The sharp contrast between WIC clients and the general population can be seen in Exhibit E.2 which compares the poverty status of WIC participants reporting income to the general US population—three-quarters of WIC enrollees reporting income are at or below the poverty line. More detailed figures appear in Chapter Four of this report.

Nutritional Risk. For PC94, States could report up to three nutritional risks for each participant. For women, inadequate or inappropriate nutrient intake, general obstetrical risks, hemoglobin or hematocrit measurements below State criteria, and high weight for height were the predominant risks reported. Children also showed inappropriate or inadequate nutrient intake and low blood measures as their most frequently recorded risks. Just over two-thirds of WIC infants were recorded at risk due to the WIC-eligibility of their mothers or because their mothers were at risk during pregnancy. At least one nutritional risk was reported for 98.9 percent of WIC enrollees in April 1994.

Migrant Status. Of particular interest to the Congress is the participation of migrant farmworkers in the WIC Program. Exhibit E.3 shows migrant participation across the States. In April 1994, there were 48,141 migrant WIC participants identified on State WIC enrollment files. Migrant WIC participants make up less than 1 percent of the population receiving WIC services. Nearly half of these participants were enrolled in the WIC Program in Florida and Texas. Migrant women enrollees in WIC tend to be older than the general WIC population; this population also reports lower incomes. Average income in the national WIC population is 20.6 percent higher than incomes reported by migrant farmworker WIC participants. For PC94, State WIC agencies reported information on migrant status for 99.0 percent of US WIC participants.

Exhibit E.2

Comparison of Poverty Levels of WIC Participants to Persons in the US Population

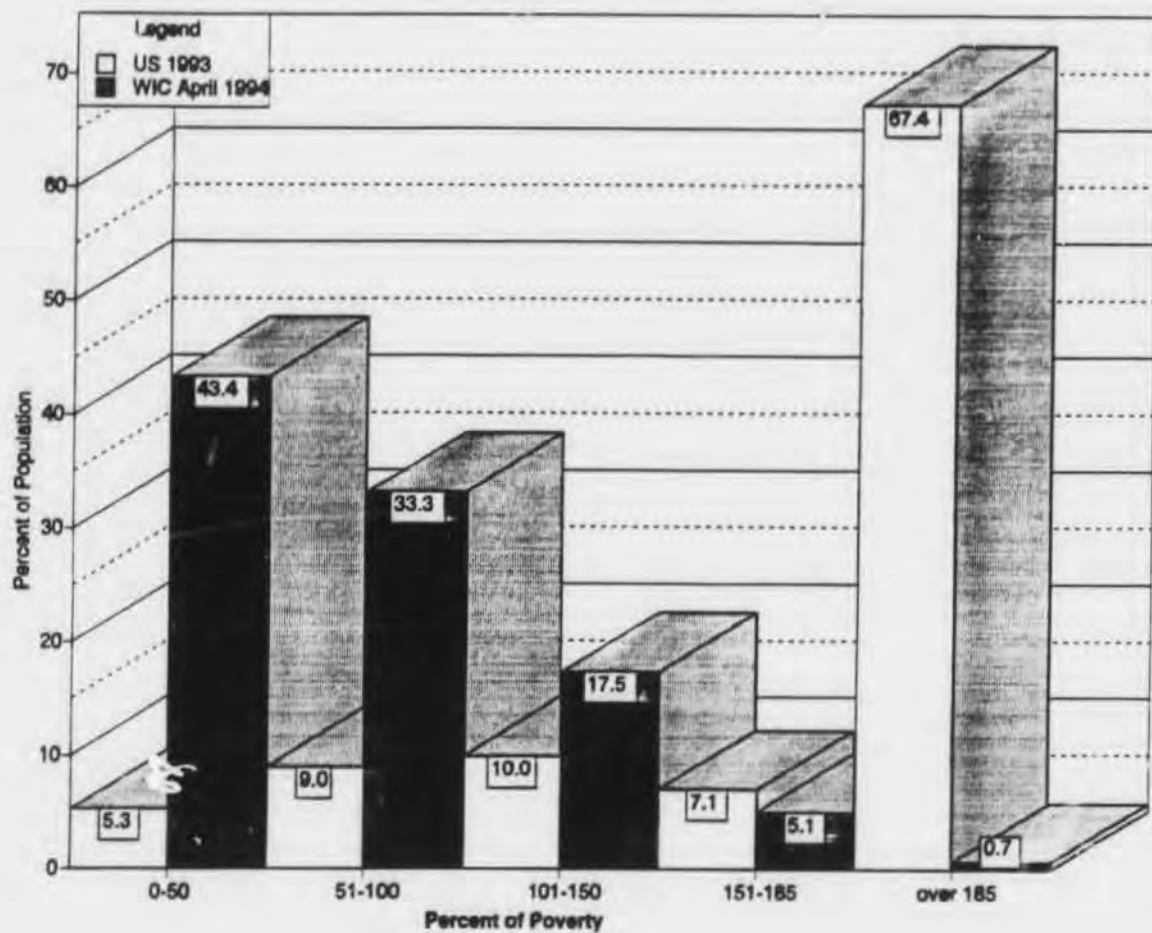
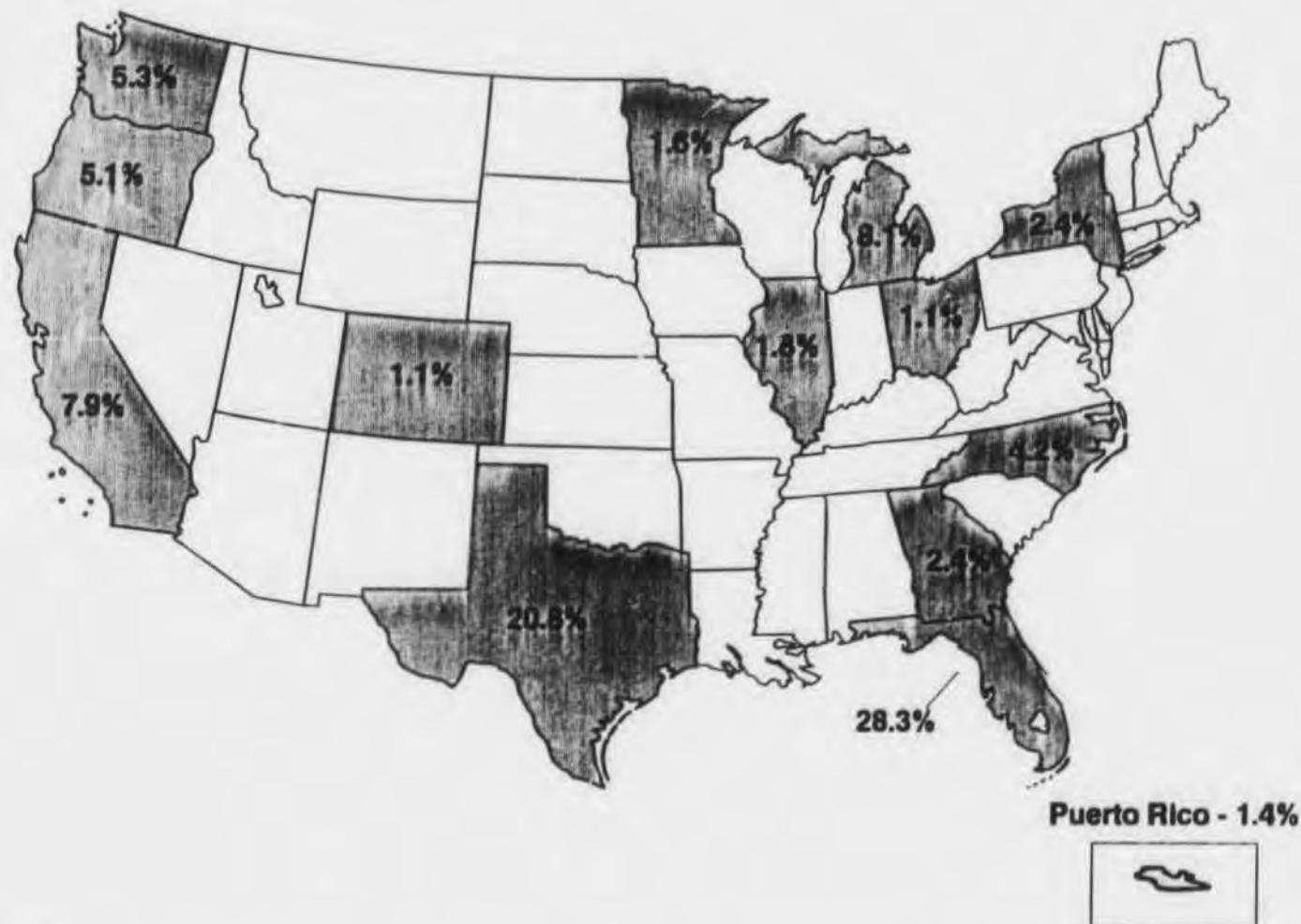


Exhibit E.3

Distribution of Migrant Farmworker WIC Participants by State April 1994



Note

Percentages are based on total migrant WIC participation. States with less than 1 percent of the total WIC migrant population are not shown.

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1. INTRODUCTION

The Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) was created in 1972 and is administered by the Food and Consumer Service (FCS) of the US Department of Agriculture (USDA). WIC was established to counteract the negative effects of poverty on prenatal and pediatric health and provides a combination of direct nutritional supplementation, nutrition education and counseling, and increased access to health care and social service providers for pregnant, breastfeeding, and postpartum women; infants; and children up to the age of five years. By intervening during the critical prenatal period, WIC seeks to improve fetal development and reduce the incidence of low birthweight, short gestation, and anemia. Infants and children who are at nutritional or health risk can receive food supplements, nutrition education, and access to health care to maintain and improve their health and development.

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Legislation (Public Laws 99-500 and 99-591), enacted in 1986, requires FCS to submit biennial reports to the Congress on current participant and program characteristics in the WIC Program. This legislation specifies that each biennial report must include:

- Information on the income and nutritional risk characteristics of WIC participants.
- Data on WIC program participation for migrant farm worker families.
- Other information on WIC participation that is deemed appropriate by the Secretary of Agriculture.

This report is the fourth publication prepared to meet the 1986 legislative mandate.

Program Operations

WIC services are delivered in each of the fifty States, the District of Columbia, Puerto Rico, Guam, and the American Virgin Islands. Additionally, in 1994, thirty Indian tribal organizations (ITOs) served as State WIC agencies. Over 2,000 local agencies (defined as the organizations one level below State WIC agencies) provide services to participants at an estimated 10,000 service sites. Exhibit 1.1 presents information on the number of local service delivery agencies operated by the eighty-four State WIC agencies.

At the federal level, FCS and its seven regional offices provide cash grants to State WIC agencies for program administration and operations; issue regulations; and monitor compliance with these regulations. State WIC agencies set nutritional risk eligibility standards, allocate funds to local WIC sponsoring agencies, monitor compliance with FCS and State regulations, and provide

Exhibit 1.1

Distribution of Local WIC Agencies and WIC Participants by State

State	Number of Local Agencies	Percent of All Local Agencies	Percent of US WIC Participants
Northeast			
Connecticut	21	0.99	0.95
Maine	11	0.52	0.42
Massachusetts	37	1.74	1.84
New Hampshire	9	0.42	0.29
New York	93	4.37	7.29
Rhode Island	14	0.66	0.29
Vermont	12	0.56	0.22
Indian Township (ME)	1	0.05	0.00*
Pleasant Point (ME)	1	0.05	0.00*
Seneca Nation (NY)	1	0.05	0.00*
Mid-Atlantic			
Delaware	17	0.80	0.22
District of Columbia	7	0.33	0.31
Maryland	18	0.85	1.23
New Jersey	20	0.94	2.02
Pennsylvania	25	1.17	4.08
Puerto Rico	7	0.33	2.70
Virginia	35	1.64	2.09
Virgin Islands	1	0.05	0.09
West Virginia	8	0.38	0.74
Southeast			
Alabama	67	3.15	1.72
Florida	48	2.25	5.10
Georgia	21	0.99	3.03
Kentucky	53	2.49	1.75
Mississippi	23	1.08	1.61
North Carolina	85	3.99	2.57
South Carolina	15	0.70	1.85
Tennessee	14	0.66	1.86
Eastern Band—Cherokee (NC)	1	0.05	0.01
Mississippi Choctaw	1	0.05	0.01
Seminole Tribe (FL)	1	0.05	0.00*

Note

The estimate of local WIC agencies is derived from State enrollment files containing identifiers for local agencies charged with administering WIC services.

*Indicates agencies serving less than 0.01 percent of US WIC.

Exhibit 1.1 (continued)

Distribution of Local WIC Agencies and WIC Participants by State

State	Number of Local Agencies	Percent of All Local Agencies	Percent of US WIC Participants
Midwest			
Illinois	87	4.09	3.57
Indiana	50	2.35	2.25
Michigan	52	2.44	3.31
Minnesota	62	2.91	1.45
Ohio	76	3.57	3.66
Wisconsin	63	2.96	1.57
Southwest			
Arkansas	76	3.57	1.23
Louisiana	116	5.45	1.99
New Mexico	104	4.88	0.96
Oklahoma	20	0.94	1.02
Texas	76	3.57	8.81
ACL (NM)	1	0.05	0.01
Cherokee Nation (OK)	1	0.05	0.10
Chickasaw Nation (OK)	1	0.05	0.03
Choctaw Nation (OK)	1	0.05	0.04
Citizen—Potawatomi (OK)	1	0.05	0.02
Eight Northern Pueblos (NM)	1	0.05	0.01
Five Sandoval Pueblos (NM)	1	0.05	0.01
ITC—Oklahoma	1	0.05	0.00
Otoe-Missouria (OK)	1	0.05	0.01
Pueblo of Isleta (NM)	1	0.05	0.01
Pueblo of San Felipe (NM)	1	0.05	0.00*
Pueblo of Zuñi (NM)	1	0.05	0.01
Santo Domingo (NM)	1	0.05	0.01
WCD (OK)	1	0.05	0.03

Note

The estimate of local WIC agencies is derived from State enrollment files containing identifiers for local agencies charged with administering WIC services.

*Indicates agencies serving less than 0.01 percent of US WIC.

Exhibit 1.1 (continued)

Distribution of Local WIC Agencies and WIC Participants by State

State	Number of Local Agencies	Percent of All Local Agencies	Percent of US WIC Participants
Mountain Plains			
Colorado	40	1.88	1.03
Iowa	19	0.89	0.88
Kansas	31	1.46	0.86
Missouri	108	5.07	2.10
Montana	62	2.91	0.31
Nebraska	15	0.70	0.51
North Dakota	28	1.32	0.24
South Dakota	61	2.87	0.29
Utah	19	0.89	0.94
Wyoming	17	0.80	0.16
Cheyenne River Sioux (SD)	1	0.05	0.01
NIITDC (NE)	1	0.05	0.01
Rosebud Sioux (SD)	1	0.05	0.02
Shoshone-Arapahoe (WY)	1	0.05	0.01
Standing Rock Sioux (ND)	1	0.05	0.02
Three Affiliated (ND)	1	0.05	0.01
Ute Mountain Ute (CO)	1	0.05	0.00*
Western			
Alaska	14	0.66	0.25
Arizona	18	0.85	1.33
California	80	3.76	12.19
Guam	1	0.05	0.08
Hawaii	14	0.66	0.36
Idaho	9	0.42	0.48
Nevada	5	0.23	0.38
Oregon	35	1.64	1.11
Washington	62	2.91	1.57
ITC—Arizona	3	0.14	0.13
ITC—Nevada	1	0.05	0.01
Navajo Nation (AZ)	17	0.80	0.28
Total	2,129	100.0	100.0

Note

The estimate of local WIC agencies is derived from State enrollment files containing identifiers for local agencies charged with administering WIC services.

*Indicates agencies serving less than 0.01 percent of US WIC.

technical assistance to local WIC agency staff. Local WIC service providers are often city or county health departments, but WIC sponsors also include hospitals, maternal and child health programs, and community action agencies. The funds received by local WIC agencies are used to provide federally specified supplemental foods to WIC participants and to pay administrative costs, including the costs of certifying applicants as eligible and counseling WIC participants on nutritional issues.

In recent years, State agencies have negotiated rebates provided by manufacturers of infant formula. It is estimated that 40 percent of all infant formula sold in the US is purchased with WIC dollars. These rebates are used by State and local WIC agencies to provide WIC services to larger numbers of eligible individuals.

Participant Benefits

WIC seeks to improve the health of program participants during pregnancy and the postpartum period, infancy, and early childhood by providing nutritious food and nutrition education as adjuncts to good health care. The benefits provided by WIC are briefly described below.

- **Food Packages.** Food, food vouchers, or food checks are distributed to participants to provide specific nutrients known to be lacking in the diets of target populations. FCS regulations specify WIC food packages that are designed for different categories of participants, including an enhanced package for women to encourage them to breastfeed their infants. These packages contain foods that are good sources of the nutrients most likely to be lacking in the WIC population's diet—protein, iron, calcium, and vitamins A and C. The food packages are grounded in the developmental needs of infants as well as in pediatric recommendations on infant feeding. Food packages incorporate the recommended eating patterns for preschool children and the special additional nutritional requirements of pregnant and breastfeeding women.

Most States operate retail food delivery systems where WIC clients receive food instruments to purchase their supplemental foods at participating local grocery stores. These checks or vouchers are "food-specific," in that they can be used only for food prescribed by health or nutrition professionals at local WIC agencies. These food items are specified on each WIC food instrument. In a few geographic areas, food is delivered to participant homes, or participants pick up food at specified distribution points. A small number of States operate both retail and direct delivery systems. Several States are assessing the feasibility of electronic issuance of WIC benefits. Wyoming is demonstrating a joint

WIC-food stamp benefit delivery system using a card containing a microchip.

- **Nutrition Education and Counseling.** Nutrition education plays a crucial role in the WIC Program and is viewed as an essential benefit directed toward achieving positive changes in participant knowledge, attitude, and behavior about food consumption. FCS regulations require WIC service agencies to offer to participants at least two nutrition education sessions during each— usually six-month—certification period. Participants may be counseled in one-on-one settings, may attend group classes, or may view films, slide-tape presentations, or videos on a variety of health and nutrition-related topics.
- **Access to Health Care and Social Services.** Each WIC agency is charged with assisting WIC participants to obtain and use preventive health care services. Through either the provision of on-site health services or referral to other agencies, the WIC Program serves as a link between the participant and an appropriate health-care provider or system.

Since 1984, most local WIC agencies have referred clients to a variety of social services. Coordination between WIC and social service programs has increased since WIC regulations created adjunctive eligibility for WIC benefits based on eligibility for other programs. During 1994, many local WIC agencies provided information on other social services such as the Food Stamp Program, Medicaid, Aid to Families with Dependent Children Program (AFDC), substance abuse counseling and treatment, and other programs providing services needed by WIC clients. The degree to which local WIC agencies actively facilitate such access varies with the type of local sponsoring agency and the nature of the service site at which WIC benefits are delivered.

Eligibility for WIC Benefits

Eligibility for receipt of WIC benefits is based on four factors: categorical eligibility; residence within the State agency service area; income eligibility; and nutritional risk. First, a participant must be a member of certain categorically eligible groups: women during pregnancy and up to the first six weeks after delivery; women up to one year postpartum if breastfeeding or up to six months postpartum if not breastfeeding; infants up to one year old; and children aged one through four years. Second, an applicant must document residence in the geographic area served by the State WIC agency.

Third, a participant must be income-eligible. The income limit for eligibility is set by each State agency. However, this income limit may not exceed 185 percent or be less than 100 percent of the Office of Management and Budget (OMB) poverty income guidelines, which are based on household size. As of February 1994, at the 185-percent threshold, a person from a family of four with an annual household income of \$27,380 or less would be income-eligible for WIC benefits. All States now set WIC income eligibility at 185 percent of poverty.

States are also permitted to establish standards and procedures for verification and documentation required to validate income. Some States require income be documented with paystubs. Others allow applicants to self-declare income. FCS regulations allow a WIC service provider to conclude that a participant is adjunctively income-eligible for WIC benefits through documentation of his/her participation in another means-tested program such as Medicaid, AFDC, or food stamps.

Finally, each WIC participant must be determined to be at nutritional risk based on a medical and/or nutritional assessment by a competent professional authority such as a physician, nutritionist, nurse, or other health professional. At a minimum, height (or length) and weight are measured and, with the exception of infants under six months, a hematological test (generally a hematocrit) is administered to assess nutritional status. Federal program regulations allow State and local agencies to develop appropriate screening systems to assess nutritional risk. According to program regulations, risk can be indicated by such factors as abnormal weight gain during pregnancy, a history of high-risk pregnancies, low birthweight, stunted growth, low weight, obesity, anemia, or an inadequate dietary pattern. Because no single national set of nutritional criteria exists, WIC eligibility can vary with location.

Program Participation

The WIC Program must operate within annual funding levels established by the Congress. The number of participants served each year depends on total funds available as well as on allocation of these funds by FCS to individual States. For each local agency, a maximum caseload is determined based on the agency's funding level and predicted caseload turnover. When a local WIC agency reaches this maximum participation level within available funding, a system of priorities is followed in allocating caseload "slots" to eligible applicants. Some agencies maintain waiting lists of eligible applicants and, as WIC openings become available, fill them from their waiting lists.

To assist State and local WIC providers with service provision, FCS has defined seven priority levels, based on applicant categorical status and type of nutritional risk condition. In general the purpose of the existing priority system is to give precedence to medically based nutritional risks over risks based only on inadequate diet. Priorities are presented in Exhibit 1.2.

Exhibit 1.2

WIC Priorities

Priority	Description
I	Pregnant and breastfeeding women and infants, at nutritional risk as demonstrated by anthropometric or hematological assessment or by other documented nutritionally-related medical condition.
II	Infants up to six months of age of mothers who participated in WIC during pregnancy, or who would have been eligible to participate under Priority I documented medical condition. This priority may also be assigned to a breastfeeding mother of an infant who is classified as Priority II.
III	Children at nutritional risk, as demonstrated by anthropometric or hematological assessment of other documented medical condition. At State option, this priority can also include high-risk postpartum women.
IV	Pregnant and breastfeeding women and infants, at nutritional risk as demonstrated by inadequate dietary pattern. At State option, this priority can also include high-risk postpartum women.
V	Children at nutritional risk due to inadequate dietary pattern. At State option, this priority can also include high-risk postpartum women.
VI	Postpartum women, not breastfeeding, at nutritional risk on either medical or dietary criteria—unless assigned to higher priorities at State discretion.
VII	Previously certified participants likely to regress in nutritional status without continuation of supplemental foods.

*Previous Studies of
WIC Participant and
Program Characteristics*

FCS has completed four previous studies of WIC participant and program characteristics. In 1984 (PC84), 1988 (PC88), and 1990 (PC90), FCS and its contractors conducted studies using nationally representative samples of WIC participants. Data were obtained through mail surveys of State and local WIC agencies; record abstractions at local WIC service sites; and, in PC88, interviews with participants and followup data collection on food instrument pickup. PC84, conducted for FCS by Ebon Research Systems, collected data from twenty-eight State agencies, 204 local agencies, 356 service sites, and 6,444 participant records. Major findings addressed:

- The distribution of participants by participant category, by priority, and by income.
- The nutritional risks of WIC participants.
- State and local WIC agency coordination with health and social service programs.
- The methods, frequency, and types of nutrition education provided to WIC participants.

PC88, the second study of WIC participant and program characteristics, was conducted by Research Triangle Institute. For this study, staff in State and local WIC agencies collected data and interviewed a nationally representative sample of approximately 7,000 WIC clients. A six-month followup data collection effort determined the rate of actual pickup of WIC food instruments. State WIC agencies were surveyed to gather information on WIC Program operations. PC88 reported on:

- The distribution of participants by participant category, by priority, by participation in other programs, and by family income.
- The nutritional risks of WIC participants.
- State and local policies and agency coordination with health and social service programs.
- Food package prescriptions.

PC90 served as a transitional study which built on the PC84 and PC88 research designs while minimizing sample size to conserve research expenditures. A goal for PC90, and all future studies of WIC participant characteristics, is limiting burden on State WIC agencies to encourage continuing biennial participation in the WIC reporting system created for the 1992 study of WIC participant and program characteristics (PC92). For PC90, field researchers from Abt Associates abstracted data from a nationally representative sample of 2,343

participant records. All State WIC agencies were surveyed to obtain information on WIC Program operations.

The methodology used for PC94 was first developed for the 1992 study. The 1992 study of WIC participant and program characteristics (PC92) was substantially different from earlier studies with regard to collecting data on WIC participation. FCS developed a prototype reporting system which allows the acquisition of all participation data through the automated transfer of an agreed-upon set of data elements. State WIC agencies download, to diskettes or magnetic tapes, routinely collected information which is on their existing automated client and management information systems. State and local WIC staff obtain these data to certify applicant eligibility for WIC benefits, to guide nutrition education, and to issue food instruments. This Minimum Data Set (MDS) was developed by FCS working with the Information Committee of the National Association of WIC Directors (NAWD). The MDS, which consists of eighteen items, appears in Exhibit 1.3.

The 1994 Study of WIC Participant and Program Characteristics

For the reference month of April 1994, each State WIC agency submitted MDS data on either a representative sample or a census of its WIC participants. The final PC94 dataset encompasses information on all individuals enrolled in the WIC Program as of the reference month. Many studies of the WIC Program have reported participation measured by the numbers of individuals who were issued food instruments during designated time periods. PC94 reports on enrollment which is defined as individuals certified to receive WIC benefits for specific time periods, including individuals who did not claim or use the food instruments issued during those time periods. State WIC agencies estimate that, each month, at least 90 percent of WIC enrollees pick up their food instruments.

In April of 1994, there were eighty-four State WIC agencies: the fifty States, the District of Columbia, Guam, Puerto Rico, and the American Virgin Islands, along with thirty Indian Tribal Organizations (ITOs). PC94 data were submitted by 100 percent of State WIC agencies. PC94 describes slightly more than 6.9 million participants certified as eligible for WIC benefits in April 1994.

Two of the eighty-four submitting agencies chose to report on representative samples rather than censuses of their WIC participants. These States include Connecticut and Montana and account for about 1.3 percent of PC94's participant records. These data are weighted so that the total numbers of WIC participants reported here correspond to the total US WIC population in April 1994.

The State-maintained automated information systems which are the sources of data for PC94 do not always contain complete information on every individual enrolled in the WIC Program. Note that all of the tables in this publication include columns or rows labeled *not reported*. The figures presented in these columns and rows indicate the numbers and percentages of WIC participants for whom States could not provide information on specific items.

Exhibit 1.3

Minimum Data Set Definitions

For biennial reports on WIC participant and program characteristics, the term participant means a person certified as enrolled in the WIC Program.

The data items should reflect the participant's status on each item at the time of the most recent WIC Program certification for the reference month of April 1994. However, as a convenience to State Agencies that do not maintain historical files and that update the information in their automated systems during certification periods, current information that was on the file for each participant in April 1994 was accepted.

1. **State Agency ID** A unique identifier that permits linkage to the WIC State Agency where the participant was enrolled.

2. **Local Agency ID** A unique identifier that permits linkage to the local agency where the participant was certified as eligible for WIC benefits.

Service Site ID A unique identifier that permits linkage to the service site where certified.

Either Local Agency ID or Service Site ID will be reported according to the level that the State Agency feels appropriate.

3. **Case ID** A unique record number for each participant which maintains individual confidentiality at the national level.

4. **Date of Birth** Month, day, and year of participant's birth.

5. **Race/Ethnicity** The classification of the participant into one of the five (5) racial/ethnic categories: white; black; Hispanic; American Indian or Alaskan Native; or Asian or Pacific Islander. The ethnic categories, white and black, include only those persons who are not of Hispanic origin.

6a. **Certification Category** The category—one of five (5) possible categories under which a person is certified as eligible for WIC benefits: pregnant woman; breastfeeding woman; postpartum woman, not breastfeeding; infant (under 12 months); or child (12-59 months).

6b-c. **Expected Date of Delivery or Weeks Gestation** For pregnant women, the projected date of delivery or the number of weeks since the last menstrual period as determined at WIC Program certification. These data items are used to determine whether a pregnant woman is in the first, second, or third trimester of pregnancy.

7. **Date of Certification** The date the person was declared eligible for the most current WIC Program certification. Month, day and year are provided.

8. **Sex** For infants and children, male or female.

Minimum Data Set Definitions

9. **Priority Level** Participant priority level for WIC Program certification at the time of the most current WIC Program certification date.
- 10a-c. **Participation in AFDC, Medicaid, Food Stamps** The participant's reported participation in each of these programs at the time of the most current WIC Program certification.
11. **Migrant Status** Participant migrant status according to the federal WIC Program definition of a migrant farmworker.
12. **Number in Family or Economic Unit** The number of persons in the family or economic unit on which WIC income eligibility was based.

A self-declared number in the family or economic unit may be reported for participants whose income was not required to be determined as part of the WIC certification process. These participants include adjunctively income-eligible participants (due to AFDC, Food Stamp program, or Medicaid participation) and those participants deemed income eligible under optional procedures available to the State Agency in Federal WIC Regulations, Section 246.7(c)(2)(vii) and (viii) (i.e., means tested programs identified by the State for automatic WIC Program income eligibility.)

13a-c. Family or Economic Unit Income

1. For persons for whom income is determined during the certification process, the income amount that was determined to qualify them for the WIC Program.
2. For descriptive purposes only, for participants whose income was **not** required to be determined as part of the WIC Program certification process, the self-reported income at time of certification. If updated since certification, the current self-reported amount. These participants include adjunctively income-eligible participants and those persons deemed eligible under optional procedures available to the State Agency in Federal WIC Regulations, Section 246.7(c)(2)(vii) and (viii).

- 14a-c. **Nutritional Risks Present at Certification** The three highest priority nutritional risks present at the current WIC Program certification.
- 15a-b. **Hemoglobin, Hematocrit or EP Value** That value for the measure of iron status that applies to the current WIC Program certification. It is assumed that the measure was collected within 60 days of the certification date.
- 16a-b. **Weight** The participant's weight measured according to the CDC nutrition surveillance program standards [nearest one-quarter ($\frac{1}{4}$) pound].
- 17a-b. **Height** The participant's height (or length) measured according to the CDC nutrition surveillance program standards [nearest one-eighth ($\frac{1}{8}$) inch].
18. **Date of Height and Weight Measure** The date of the height and weight measures that were used during the current WIC Program certification period as of April 1994.

States were generally able to provide information on every MDS item for each participant. However, PC94 contains data on participation in other programs for only about 92 percent of the participants in the database; data on income were submitted for 86 percent of the 6.9 million WIC participants. Five States—Alabama, Illinois, Indiana, New York, Puerto Rico, South Dakota, and Tennessee—reported data on income for less than 70 percent of their WIC participants.

Information on blood measurements may be absent from the database for reasons which may be related to the category to which a WIC participant is assigned. For instance, WIC regulations permit clinics to dispense with blood tests for infants under six months of age, as well as for children who are found to be within normal ranges at their most recent certifications.

Unreported PC94 data may be unavailable for a variety of reasons which may indicate that participants in any of the not-reported categories may be different from those individuals with data reported. As noted above, assumptions regarding missing data vary by the nature of the variable and by the category of the WIC participant. To account for these anomalies, a uniform strategy has been adopted for preparing all tables in this report. Data not reported are included in the calculation of percentage distributions for each characteristic. While including missing data in the denominators for all calculations tends to place estimates for each characteristic at a lower bound, this approach has allowed consistent presentation of tabulations throughout the report. Further, it assures that all information needed to calculate upper-bound estimates is readily available in every table. Caution should be used in comparing results across groups; missing data must always be considered in gauging differences between, among, or across groups or categories of WIC participants.

A second note of caution must be sounded here. Because of data quality issues in one large State, it is likely that the PC94 estimate of number of one-year-old WIC enrollees is 0.008 percent high. As a result, the PC94 estimate of number of WIC infants is about 1.0 percent low.

The specifications for the 1994 study of WIC participant and program characteristics included a nineteen-item Supplemental Data Set (SDS). Included in this dataset are such items as birthweight, birth length, source of prenatal care, and duration of breastfeeding. About 60 percent of the eighty-four reporting State WIC agencies provided some SDS data, representing a two-thirds increase since 1992. However, no State WIC agency provided information on every SDS item for every participant. The most frequently reported SDS item was food package code, submitted by forty-four States. Thirty-nine State WIC programs submitted information on breastfeeding status, and thirty-three States reported duration of breastfeeding. The limited amount and incompleteness of SDS data preclude computation of national estimates. The final appendix to this report presents a series of tables reporting State-level data for those States submitting SDS information. A complete list of SDS items is also included in that appendix.

PC94 Summary of State Programs

The 1994 study, like earlier studies, included a survey of State WIC agencies to obtain information on WIC program characteristics. For PC94, each State WIC agency was mailed a computer-generated paper copy of its responses to the PC92 Summary of State Programs (SSP). State respondents were asked to confirm or revise their 1992 responses. A copy of the Summary of State Programs (SSP) appears in Appendix A. Data were collected on:

- Operating policies and procedures of State WIC agencies with regard to income determination, food package tailoring, and food instrument issuance.
- Average monthly food package costs by participant category.
- Nutritional risk criteria established by State WIC agencies including standards for hemoglobin and hematocrit values as well as methods for obtaining dietary intake information.
- Lists of local WIC agencies or service sites operated by each State WIC agency.

All of the eighty-four State WIC agencies operating in April 1994 completed questionnaires. Each of the eighty-four reporting agencies provided information on every item in the questionnaire.

Organization of This Report

Chapters Two through Seven contain tabular presentations which display PC94 data on WIC participants and programs. Tables are accompanied by limited text which is provided only to explain WIC procedures or to distinguish changes, since 1984, in the characteristics of WIC programs and participants. Because PC94 is a near census of WIC participants, standard errors are not needed to interpret findings presented here. Chapter Two presents information on overall participation in the WIC Program as well as information on WIC food packages and their costs. In Chapter Three, demographic data on WIC participants are reported. Chapter Four offers information on State procedures for determining income eligibility along with participation data on receipt of benefits from programs other than WIC; household size; average annual income; and percent of poverty of WIC households. Chapters Five and Six provide information on nutritional risk and WIC priority groups. Finally, Chapter Seven contains information on migrant WIC participants. Data are reported on age, income, nutritional risk, and priority.

Note that every table in this publication includes a column or row labeled *not reported*. The figures presented in these columns and rows indicate the number or percent of WIC participants for whom States provided no information for specific items.

2. OVERVIEW OF WIC PARTICIPATION AND FOOD PACKAGE COSTS

During April 1994, there were 6,907,848 individuals enrolled in the WIC Program. (See Exhibit 2.1.) This figure is 20 percent higher than the 1992 enrollment level. Some of the growth between 1992 and 1994 can be attributed to the fact that, during this time period, the Food and Consumer Service (FCS) provided larger appropriations to States in the Western region. These targeted-growth States include Arizona, California, Florida, Nevada, and Texas. Additionally, States continued to negotiate rebate contracts with infant formula, and, in some cases, cereal manufacturers. Savings accrued from these rebates enabled local WIC service providers to offer WIC benefits to previously unserved eligible individuals.

The proportions of enrollment by WIC participant category show some change in 1994. Since 1992, the proportion of pregnant women has declined from 13.6 percent to 12.0 percent. The proportion of infant enrollees has gone from 30.1 percent in 1992 to 26.9 percent in 1994, while children now account for 50.2 percent—up from 47.5 percent in 1992. These changes may reflect a declining national birthrate (from 16.3 births per thousand women in 1991 to 15.9 in 1992)¹. They may be the result of income shifts (categorical eligibility), changes in the numbers of eligibles who apply, or application of the priority system or increased funding which allows States and their local agencies to serve applicants with lower priorities, especially children. For PC94, it must also be noted that, because of poor quality data in one large State, the estimate of number of WIC infants is about 1.0 percent low. It may be that some proportion of this apparent decline in WIC infant enrollment can be attributed to erroneous data from this one State. The proportion of breastfeeding women rose slightly between 1992 and 1994 from 3.6 percent to 4.0 percent. There was a substantial increase in proportions and numbers of postpartum women receiving WIC benefits—two full percentage points or 191,500 more women. It may be that the additional funds in the States targeted for growth permitted WIC to expand its caseload to serve more non-breastfeeding postpartum women. Participation in the categories of postpartum women and children has increased by 2.0 and 2.7 percentage points, respectively.

Food Packages

Seven maximum food packages are defined by federal WIC regulations: two for infants which are age-dependent; one for children or women with special dietary needs; one for children aged one through four years; one for pregnant and breastfeeding women; one for non-breastfeeding postpartum women; and an enhanced package for breastfeeding women. State and local agencies may tailor food packages to achieve administrative efficiencies or to meet the nutritional needs of individual WIC clients. Administrative adjustments to WIC food packages include specifying package size, brand, or form. Nutritional tailoring often focuses on specifying a form of infant formula or changing food types to

¹ Data reported in *Current Population Surveys*, 1991 and 1992. US Bureau of the Census birthrates for 1993 and 1994 are not yet available.

Exhibit 2.1

Distribution of WIC Participants by Participant Category in 1994

Participant Category	Number of Participants	Percent of Category	Percent of WIC Participants
Women	1,590,762	n/a	23.1%
Pregnant women	823,604	51.8%	12.0
Breastfeeding women	275,158	17.3	4.0
Postpartum women	491,998	31.0	7.2
Infants	1,852,455	n/a	26.9
Children	3,464,631	n/a	50.2
US WIC	6,907,848		

NA indicates not applicable.

Distribution of WIC Participants by Participant Category 1990, 1992, 1994

Participant Category	Percent of Total WIC Participants		
	1990	1992	1994
Women	23.9%	22.4%	23.1%
Pregnant women	13.5	13.6	12.0
Breastfeeding women	10.4*	3.6	4.0
Postpartum women		5.2	7.2
Infants	29.8	30.1	26.9
Children	46.3	47.5	50.2
US WIC	4,538,112	5,754,003	6,907,849

Note

* In 1990, breastfeeding and postpartum women were combined into one reporting category because of the small sample of participants in the 1990 study.

address the nutritional risks of specific of participants. Exhibits 2.2 and 2.3 provide information on food package tailoring practices reported by States.

Most WIC participants receive food instruments (either vouchers or checks for use in retail grocery stores) which contain information on type and amount of food and may include information on maximum allowable cost. A food instrument is designated a voucher or check to indicate the State's redemption process. States determine the frequency of issuance for these food instruments, which are generally produced on automated information systems at standard intervals. In most States, WIC participants pick up food instruments at local WIC service sites. Information on State issuance appears in Exhibit 2.4.

State policies and procedures have remained stable since 1988. The trend to bimonthly issuance continues. Less frequent issuance is seen, by many States, as administratively efficient as well as less burdensome for WIC recipients.

State-by-State information for Exhibits 2.1 through 2.4 appears in Appendix B of this report.

Finally, State-reported information on costs of food packages for April 1994 is presented in Exhibit 2.5. These estimated average costs were calculated using the State cost data weighted by enrollment data at the participant category level. Thirty-five (or 42 percent) of the eighty-four reporting agencies submitted estimated rather than actual food package costs. The highest average cost appears in the Western region with the lowest average food package cost occurring in the Southeast.

Exhibit 2.2

Food Package Adjustment and Tailoring Practices Used by States

Adjustment/Tailoring Practices	State Agencies	
	Number	Percent
<i>Only use maximum allowable federal food package</i>	3	3.6%
<i>Adjustment for administrative efficiency</i>	80	95.2
Brands of food are designated or disallowed	61	72.6
Size of food container is designated	64	76.2
Specific form of food (within a food group) is specified	57	67.9
Certain food types (from a food category) are eliminated	31	36.9
Other methods (such as adding special foods)	21	25.0
<i>Tailoring for participant nutritional needs</i>	81	96.4
Type of milk is specified (to reduce fat, lactose, or calories)	62	73.8
Type of cheese is specified (to reduce fat)	24	28.6
Type of cereal is specified (to reduce sucrose)	8	9.5
Specific forms of formula are specified (ready-to-feed or powdered formula)	74	88.1
Amounts of certain food types are reduced (to reduce calories or nutrient intake for weight control)	43	51.2
Amounts of certain food types are reduced (to meet age-related needs)	53	63.1
Quantity of eggs is reduced (to reduce cholesterol)	19	22.6
A specific form of food is specified for the convenience of the participant (powdered milk, juice concentrate)	67	79.8
Other methods (such as substitutions for food allergies)	24	28.6
<i>Total reporting State WIC agencies</i>	84	100.0

Notes

Responses are not mutually exclusive, so percentages do not sum to 100 percent. Percentages in this table are based on the number (84) of reporting State WIC agencies.

WIC food instruments list specific foods up to maximum amounts for each month as defined in federal WIC regulations.

Exhibit 2.3

Food Package Tailoring Practices and Use of Standard Food Instruments

Standardized Instruments and Tailoring	State Agencies	
	Number	Percent
Standard food packages are available for specific categories of participants	38	45.2%
Standard food instruments can be selected or combined to create food packages for participants	8	9.5
Standard food instruments can be tailored by marking choices or amounts of food types directly on each food instrument	23	27.4
Standard food packages or food instruments are <i>not</i> used. Each food package prescription is individualized	10	11.9
Other methods of food tailoring	5	6.0
Total reporting State WIC agencies	84	100.0

Notes

WIC food instruments list specific foods up to maximum amounts for each month as defined in federal WIC regulations.

For more information on other methods of food tailoring, see Table 2.3A in Appendix B.

Exhibit 2.4

Frequency of WIC Food Instrument Issuance Among State WIC Agencies

Issuance Pattern	State Agencies	
	Number	Percent
<i>Standard frequency of food instrument issuance</i>		
Yes	77	91.7%
No	7	8.3
Total reporting State WIC agencies	84	100.0
<i>Issuance frequencies^a</i>		
Every month	61	72.6
Every two months	45	53.6
Every three months	8	9.5
Other	7	8.3
<i>Variation allowed in the frequency of food instrument issuance^a</i>		
Certain participant categories must pick up food instruments more often	11	13.1
Certain high-risk participants must pick up food instruments more often	34	40.5
Congested local agencies issue food instruments less frequently	10	11.9
Local agencies may choose the frequency with which they issue food instruments	24	28.6
Other ^b	19	22.6
<i>All food instruments issued with same frequency</i>	37	44.1

Notes

WIC food instruments list specific foods up to maximum amounts for each month as defined in federal WIC regulations.

^a Responses within this set of categories are not mutually exclusive, so percentages do not sum to 100 percent. Percentages are based on the number (84) of reporting State WIC agencies.

^b Other includes: Participants in remote areas who travel every other month to pick up food instruments; some local agencies mail food instruments; some local agencies allow participants to choose the frequency of issuance.

Estimated Average Cost of Food Packages by Participant Category, Region, and State

Outlays in Dollars for April 1994									
Region/State	All Women	Pregnant Women	Breastfeeding Women	Postpartum Women	All Infants Before Rebates	All Infants After Rebates	Total Children	Computed Average for All WIC Participants Before Rebate	Computed Average for All WIC Participants After Rebate
<i>Northeast</i>									
Mean	38.47	40.64	45.23	36.06	74.85	38.89	36.39	43.06	34.20
Median	35.86	34.44	48.58	39.17	66.69	21.56	34.77	40.73	31.12
Standard deviation	7.61	11.33	9.39	9.90	27.01	35.48	6.99	6.50	8.55
Connecticut	49.47	55.84	57.54	39.42	87.57	43.14	27.88	44.59	35.21
Maine	31.39	32.87	37.01	26.16	63.84	20.97	30.70	38.23	28.68
Massachusetts	31.12	34.44	36.25	22.89	67.69	21.49	30.40	39.02	28.52
New Hampshire	30.28*	32.56*	31.61*	25.22*	65.68*	21.56*	30.95*	38.46*	28.74*
New York	34.85	NA	NA	NA	72.04	23.68	31.32	42.10	30.19
Rhode Island	35.86	26.57	54.41	53.60	53.08	4.03	44.14	44.99	32.04
Vermont	45.82*	48.53*	48.58*	39.40*	57.79*	18.16*	38.21*	39.36*	36.13*
Indian Township (ME)	39.13	53.63*	52.37	39.17	44.25	NA	39.13	NA	NA
Pleasant Point (ME)	NA	30.60	38.60	35.25	100.00	90.00	44.20	NA	NA
Seneca Nation (NY)	48.30*	50.73*	50.73*	43.44*	136.53*	107.02*	46.97*	57.69	54.05
<i>Mid-Atlantic</i>									
Mean	35.63	39.98	35.28	25.38	65.52	31.44	34.43	43.68	31.60
Median	34.72	35.16	38.34	25.10	70.62	23.12	33.52	42.51	29.53
Standard deviation	7.51	16.85	5.42	5.84	13.08	25.59	7.30	8.77	8.78
Delaware	NA	34.95	38.42	27.56	69.57	25.09	32.93	43.72	29.53
District of Columbia	37.71*	80.21*	32.41*	16.26*	70.16*	18.42*	35.84*	48.01*	30.48*
Maryland	36.21	38.98	42.90	29.25	75.86	22.84	34.20	44.25	28.13
New Jersey	29.70	30.98	31.41	24.75	73.49	24.79	29.35	40.74	28.26
Pennsylvania	33.22	35.36	39.02	22.72	71.07	17.13	33.52	41.46	29.96
Puerto Rico	48.39	NA	NA	NA	NA	98.94	48.24	62.57	54.31
Virginia	42.51	39.80	35.73	35.90	40.94	30.12	42.47	42.51	31.21
Virgin Islands	24.11	25.74	25.42	21.17	48.85	23.12	23.56	28.95	23.80
West Virginia	33.20	33.80	36.95	25.45	74.23	22.51	29.75	40.89	28.76

* Estimated average monthly cost
NA indicates that data are not available

Exhibit 2.5 (continued)

Estimated Average Cost of Food Packages by Participant Category, Region, and State

	Outlays in Dollars for April 1994								
Region/State	All Women	Pregnant Women	Breastfeeding Women	Postpartum Women	All Infants Before Rebates	All Infants After Rebates	Total Children	Computed Average for All WIC Participants Before Rebate	Computed Average for All WIC Participants After Rebate
<i>Southeast</i>									
Mean	35.44	37.25	38.87	26.50	67.86	20.18	34.06	40.49	29.08
Median	33.81	33.30	34.18	27.02	71.80	21.88	31.69	41.92	29.09
Standard deviation	9.47	9.22	10.42	4.79	16.99	9.06	8.99	9.93	3.03
Alabama	34.27	NA	NA	NA	75.03	26.31	31.38	45.05	30.66
Florida	33.15	39.71	32.75	23.45	76.84	19.93	32.00	44.75	29.25
Georgia	34.06	33.30	33.37	25.97	76.23	16.79	29.25	41.21	29.02
Kentucky	29.11	32.68	34.70	28.07	62.08	7.38	37.70	41.92	29.77
Mississippi	27.17*	29.09*	32.94*	19.48*	21.88*	21.88*	22.53*	23.86	23.86
North Carolina	28.54	31.21	34.18	21.14	70.37	22.03	27.80	40.02	26.35
South Carolina	31.22*	31.67*	31.10*	31.67*	71.75*	31.47*	29.18*	42.99*	28.68*
Tennessee	36.24	38.26	38.26	30.16	70.46	5.67	36.44	44.91	29.09
Eastern Band Cherokee (NC)	40.83*	39.80*	50.66*	32.04*	82.15*	30.14*	39.01*	36.75*	35.04*
Mississippi Choctaw	NA	NA	NA	NA	NA	NA	NA	24.32*	NA
Seminole Tribe (FL)	59.84	59.51	61.83	NA	71.84	NA	55.34	59.61	NA
<i>Midwest</i>									
Mean	35.88	37.26	38.99	28.59	84.61	25.93	31.57	42.15	29.14
Median	36.03	37.57	39.45	28.44	86.36	22.60	33.45	41.92	28.92
Standard deviation	1.76	1.70	3.23	2.90	3.78	10.59	3.32	3.84	3.02
Illinois	37.57	37.57	37.57	29.83	87.43	27.79	34.30	46.50	33.41
Indiana	NA	35.12*	35.12*	28.44*	78.71*	15.77*	30.32*	38.99	25.98
Michigan	36.03*	39.07*	41.32*	28.33*	82.99*	22.60*	33.50*	46.50*	31.30*
Minnesota	NA	38.61	41.96	24.21	87.54	43.21	26.29	37.09	26.33
Ohio	NA	NA	NA	NA	NA	NA	NA	41.86*	27.39*
Wisconsin	34.05	35.94	NA	32.16	86.36	20.27	33.45	41.98	30.45

* Estimated average monthly cost
NA indicates that data are not available

Estimated Average Cost of Food Packages by Participant Category, Region, and State

Outlays in Dollars for April 1994									
Region/State	All Women	Pregnant Women	Breastfeeding Women	Postpartum Women	All Infants Before Rebates	All Infants After Rebates	Total Children	Computed Average for All WIC Participants Before Rebate	Computed Average for All WIC Participants After Rebate
Southwest									
Mean	34.93	36.03	39.94	30.70	72.49	45.07	34.44	43.60	30.43
Median	35.72	38.52	40.98	31.85	74.09	47.35	35.23	43.12	30.54
Standard deviation	7.15	8.38	9.60	6.32	14.37	17.66	6.45	7.81	11.37
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA	NA
Louisiana	39.00*	41.00*	41.00*	35.00*	74.50*	12.00*	34.00*	47.88*	30.51*
New Mexico	35.59	NA	NA	NA	64.44	19.50	35.59	41.56	30.54
Oklahoma	27.69*	28.17*	30.25*	24.47*	79.19*	23.92*	29.12*	43.12*	20.39*
Texas	NA	30.69*	NA	23.17*	71.09*	NA	28.41*	38.65	25.54
ACL WIC (NM)	46.09*	43.76*	57.52*	36.98*	44.75*	NA	40.68*	46.50*	NA
Cherokee Nation (OK)	16.99	18.01	18.01	14.53	78.29	42.29	16.46	26.26	20.76
Chickasaw Nation (OK)	35.72*	NA	NA	NA	73.14*	46.67*	34.54*	44.60*	37.87*
Choctaw Nation (OK)	39.06*	39.06*	40.60*	37.52*	103.43*	69.71*	34.86*	NA	NA
Citizen-Potawatomi (OK)	38.17*	38.62*	44.16*	31.75*	75.75*	47.65*	41.09*	44.92*	40.24*
Eight Northern Pueblos (NM)	32.75	54.59	44.87	NA	76.77	44.62	41.48	50.61	19.11
Five Sandoval Pueblos (NM)	31.16	30.07	32.00	31.43	85.10	69.60	30.10	41.74	38.64
ITC-Oklahoma	30.21	31.89	31.86	26.88	68.67	47.35	29.35	42.77	39.01
Otoe-Missouria (OK)	NA	38.63*	40.98*	33.22*	83.04*	54.95*	43.53*	45.16*	39.95*
Pueblo of Isleta (NM)	38.52*	38.72*	40.96*	35.87*	65.30*	NA	38.61*	34.01*	NA
Pueblo of San Felipe (NM)	NA	38.42	44.78	31.85	43.21	NA	35.71	38.75	NA
Pueblo of Zuni (NM)	44.78*	43.78*	51.12*	36.42*	86.54*	59.58*	39.22*	55.81*	45.82*
Santo Domingo (NM)	31.00*	30.00*	34.00*	28.00*	58.00*	NA	31.00*	35.85	NA
WCD (OK)	37.17	31.13	46.97	33.41	73.68	48.08	36.25	44.78	38.58

* Estimated average monthly cost

NA indicates that data are not available

Exhibit 2.5 (continued)

Estimated Average Cost of Food Packages by Participant Category, Region, and State

Outlays in Dollars for April 1994									
Region/State	All Women	Pregnant Women	Breastfeeding Women	Postpartum Women	All Infants Before Rebates	All Infants After Rebates	Total Children	Computed Average for All WIC Participants Before Rebate	Computed Average for All WIC Participants After Rebate
<i>Mountain Plains</i>									
Mean	38.84	41.41	44.05	33.64	71.11	35.40	36.17	41.97	34.31
Median	37.68	39.75	44.63	33.55	73.74	26.29	35.69	42.26	33.31
Standard deviation	5.20	6.04	6.35	6.97	18.88	15.28	5.60	6.51	7.26
Colorado	36.34*	NA	NA	NA	74.07*	16.10*	35.69*	39.59*	29.19*
Iowa	30.77*	34.31*	33.91*	24.05*	71.17*	NA	31.11*	39.02*	NA
Kansas	33.87	36.63	39.01	27.73	73.74	NA	32.20	42.26	NA
Missouri	36.80*	NA	NA	NA	78.27*	23.98*	35.30*	46.01*	32.96*
Montana	45.33*	45.64*	45.64*	38.07*	66.73*	21.39*	42.76*	48.52*	38.46*
Nebraska	30.23	31.39	35.63	25.52	67.36	16.13	30.15	38.54	26.71
North Dakota	38.18*	38.44*	50.68*	31.69*	76.76*	26.29*	31.69*	33.17*	23.78*
South Dakota	45.45*	46.35*	50.87*	39.12*	95.47*	47.76*	41.82*	54.73*	45.18*
Utah	37.68*	46.84*	39.12*	23.12*	28.45*	6.45*	30.08*	31.63*	26.29*
Wyoming	36.52*	43.84*	49.63*	35.40*	69.50*	24.16*	38.22*	36.98*	28.76*
Cheyenne River Sioux (SD)	42.43	39.75	45.68	43.80	69.35	45.91	45.79	49.92	45.20
NIITDC (NE)	38.23*	39.70*	44.63*	30.37*	77.26*	60.26*	37.11*	45.81*	28.81*
Rosebud Sioux (SD)	49.61*	52.00*	52.00*	40.00*	104.00*	68.96*	44.00*	42.92*	37.41*
Shoshone-Arapahoe (WY)	41.62	49.51	53.26	37.70	89.12	57.35	28.60	35.87	33.31
Standing Rock Sioux (ND)	37.13	39.75	40.55	31.09	81.86	57.00	35.70	42.95	39.17
Three Affiliated (ND)	43.34	43.34	43.34	43.34	43.34	24.00	43.34	49.93	45.59
Ute Mountain Ute (CO)	36.67	33.60	36.75	NA	42.40	35.29	31.41	35.57	33.78

* Estimated average monthly cost
NA indicates that data are not available

Estimated Average Cost of Food Packages by Participant Category, Region, and State

Region/State	Outlays in Dollars for April 1994							Computed Average for All WIC Participants Before Rebate	Computed Average for All WIC Participants After Rebate
	All Women	Pregnant Women	Breastfeeding Women	Postpartum Women	All Infants Before Rebates	All Infants After Rebates	Total Children		
<i>Western</i>									
Mean	51.92	43.95	48.47	36.10	77.34	38.31	39.70	52.68	43.34
Median	42.00	45.03	46.97	37.25	79.71	25.52	40.32	51.09	43.82
Standard deviation	36.44	12.72	15.00	10.42	30.22	27.56	13.00	14.43	13.67
Alaska	42.00*	45.03*	46.75*	37.25*	98.28*	NA	50.91*	47.28*	41.24*
Arizona	36.31*	38.71*	38.71*	31.52*	80.31*	35.55*	36.57*	45.90*	33.93*
California	42.82	44.43	53.93	37.04	70.28	20.58	34.29	49.41	34.57
Guam	22.00*	20.00*	28.00*	17.00*	29.00*	20.00*	20.00*	53.66*	53.66*
Hawaii	NA	NA	NA	NA	NA	NA	NA	59.16	46.58
Idaho	44.88*	46.97*	46.97*	38.12*	84.80*	57.28*	44.07*	52.76*	46.40*
Nevada	33.30*	35.67*	36.77*	28.16*	62.21*	22.28*	26.40*	37.86*	26.94*
Oregon	34.50*	NA	NA	NA	40.60*	5.00*	29.70*	34.00*	26.30*
Washington	68.21*	67.51*	81.50*	55.63*	79.11*	25.52*	64.36*	70.83*	53.71*
ITC-Arizona	NA	NA	NA	NA	NA	NA	NA	40.25	32.38
ITC-Nevada	NA	45.73*	52.15*	39.85*	91.98*	70.07*	45.73*	55.08*	50.70*
Navajo Nation (AZ)	143.24*	51.47*	51.47*	40.30*	136.80*	88.50*	44.97*	85.91*	73.64*

* Estimated average monthly cost
NA indicates that data are not available

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3. DEMOGRAPHICS OF WIC PARTICIPANTS

Demographic items in the Minimum Data Set are age, trimester of enrollment during pregnancy, and race/ethnicity of WIC enrollees in April 1994. These data are displayed in Exhibits 3.1 through 3.5.

For both PC92 and PC94, States reported age data on 98.5 percent of women enrolled in the WIC Program. Between 1992 and 1994, there were virtually no changes in the age distribution of WIC women. Across all categories of women, most are young—82 percent are between the ages of eighteen and thirty-four. However, in 1994, as in 1992, only 12 percent of pregnant women are under the age of eighteen. The clustering of infants in the zero-to-three-month-old category has increased considerably since 1992; nearly 85 percent of all WIC infants fall into that age group at time of certification. In 1992, slightly more than three-quarters of infants were zero-to-three months in age at time of certification. Many WIC agencies have initiated outreach programs to encourage early enrollment of infants which may account for this increase. The age distribution of children, on the other hand, has shifted slightly to the older ages, with higher percentages of children aged three years or older at their most recent certifications.

Data to calculate trimester of enrollment were reported for 89.7 percent of pregnant WIC enrollees. Because such data were not reported for a large proportion of pregnant WIC clients, findings on trimester of enrollment must be viewed with caution. Approximately equal numbers of pregnant WIC participants enrolled in the program during their first and second trimesters, with 38.9 percent in the first trimester and 40.1 percent in the second. Between 1992 and 1994, enrollment in the first trimester increased by five percentage points, while late (third-trimester) enrollment decreased by 5.2 percentage points. This change is a significant one for WIC. These figures may indicate that WIC's outreach to pregnant women and promotion of early prenatal enrollment are successful efforts.

Slight differences may be seen in the ethnic composition of the WIC program since 1992; percentages of Asian and Hispanic WIC enrollees have risen, while percentages of black and white (non-Hispanic) enrollees have decreased. Hispanic enrollment increased by three percentage points across the nation (from 1.3 million to 1.8 million), with larger increases in the Mid-Atlantic and Southwest regions. This substantial increase may reflect WIC outreach to non-English-speaking populations. It may also reflect national trends. The Bureau of the Census estimates that the Hispanic population resident in the US has increased from 9.5 percent of the population in 1992 to 9.9 percent of the population in 1994, so the number of Hispanic residents rose from 24.2 million in 1992 to 25.9 million in 1994.

Asian enrollment has risen by one percentage point. This increase occurred evenly across the seven FCS regions, with the exception of the Western region, where Asian enrollment increased by two percentage points.

Exhibit 3.1

Distribution of Age of WIC Participants at Certification by WIC Participant Category 1990, 1992, 1994

Participant Category and Age at Certification	1990	1992	1994
Percent by participant category			
Pregnant women	611,483	781,029	823,604
Under 15 years ^a		1.0%	1.0%
15 - 17 years	11.7%	10.9	11.2
18 - 34 years	85.0	82.7	81.7
35 or more years	3.2	4.5	5.0
Age not reported ^a		0.9	1.0
Breastfeeding women		207,586	275,158
Under 15 years ^a		0.2%	0.2%
15 - 17 years		3.6	4.0
18 - 34 years		85.0	83.7
35 or more years		9.4	9.6
Age not reported ^a		1.8	2.5
Postpartum women	470,256 ^b	300,498	491,998
Under 15 years ^a		0.8%	0.7%
15 - 17 years	6.0% ^b	11.0	9.6
18 - 34 years	87.0 ^b	81.5	83.0
35 or more years	7.0 ^b	4.3	5.1
Age not reported ^a		2.3	1.6
Total women	1,081,739	1,289,115	1,590,762
Under 15 years ^a		0.9%	0.8%
15 - 17 years	9.2%	9.7	9.5
18 - 34 years	86.8	82.8	82.5
35 or more years	4.0	5.2	5.8
Age not reported ^a		1.4	1.5
Infants^c	1,352,876	1,732,077	1,852,455
0 - 3 months	78.6%	76.2%	84.2%
4 - 5 months	7.4	5.2	3.1
6 - 8 months	9.2	8.4	7.2
9 - 11 months	4.7	4.8	2.6
Age not reported ^a		5.4	3.0
Children^d	2,103,497	2,732,810	3,464,631
1 year	41.3%	43.9%	40.0%
2 years	26.7	24.2	24.6
3 years	20.6	18.5	19.9
4 years	10.4	11.5	12.7
Age not reported ^a		1.8	2.9
US WIC	4,538,112	5,754,003	6,907,848

Notes

^a Not a reporting category in 1990.

^b In 1990, breastfeeding and postpartum women were combined into one reporting category.

^c An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

^d About 12.8 percent of one-year-old children are eleven-month-old infants who have been recertified as children. About 0.1 percent of WIC participants who are classified as infants are participants who are older than 366 days.

Exhibit 3.2

Distribution of Pregnant Women WIC Participants by Trimester of Enrollment 1992 and 1994

Trimester of Enrollment	1992		1994	
	Number	Percent	Number	Percent
First trimester	263,050	33.7%	320,085	38.9%
Second trimester	324,571	41.6	330,020	40.1
Third trimester	124,311	15.9	88,370	10.7
Trimester not reported	69,095	8.8	85,128	10.3
Total pregnant women	781,029	100.0	823,604	100.0

Exhibit 3.3

Distribution of Racial and Ethnic Characteristics of WIC Participants by Participant Category

Racial or Ethnic Characteristics	Pregnant Women	Breastfeeding Women	Postpartum Women	Total Women	Infants	Children	Total WIC Participants
	Percent by participant category						
American Indian or Alaskan Native	1.5%	2.0%	1.1%	1.5%	1.5%	1.9%	1.7%
Asian or Pacific Islander	2.6	2.7	3.0	2.7	2.8	2.4	2.6
Black (non-Hispanic)	23.9	13.4	25.0	22.4	26.3	26.3	25.4
Hispanic	27.7	36.1	24.0	28.0	27.9	24.2	26.1
White (non-Hispanic)	43.8	43.9	46.2	44.5	40.8	42.8	42.7
Race or ethnicity not reported	0.6	1.9	0.7	0.9	0.8	2.3	1.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<i>US WIC</i>	823,604	275,158	491,998	1,590,762	1,852,455	3,464,631	6,907,848

Exhibit 3.4

Distribution of Racial and Ethnic Characteristics of WIC Women, Infants, and Children* 1990, 1992, 1994

Racial or Ethnic Characteristic	Women			Infants			Children			Total WIC		
	1990	1992	1994	1990	1992	1994	1990	1992	1994	1990	1992	1994
	Percent by participant category											
American Indian or Alaskan Native	0.5%	1.7%	1.5%	0.8%	1.4%	1.5%	1.2%	2.1%	1.9%	0.9%	1.8%	1.7%
Asian or Pacific Islander	1.5	1.9	2.7	0.9	2.3	2.8	0.8	1.7	2.4	1.0	1.9	2.6
Black (non-Hispanic)	25.7	24.2	22.4	26.8	28.2	26.3	29.1	29.2	26.3	27.6	27.8	25.4
Hispanic	24.3	26.1	28.0	25.6	26.4	27.9	15.8	19.4	24.2	20.8	23.0	26.1
White (non-Hispanic)	47.1	45.1	44.5	45.4	40.5	40.8	51.7	46.4	42.8	48.7	44.3	42.7
Other ^b	0.3	N/A	N/A	0.0	N/A	N/A	1.1	N/A	N/A	0.6	N/A	N/A
Race or ethnicity not reported ^c	N/A	1.2	0.9	N/A	1.1	0.8	N/A	1.1	2.3	N/A	1.1	1.6
US WIC	1,081,739	1,289,115	1,590,762	1,352,876	1,732,077	1,852,455	2,103,497	2,732,810	3,464,631	4,538,112	5,754,003	6,907,848

Notes

* In 1990 racial and ethnic characteristics were reported for the *contiguous States*.

^b Not a reporting category in 1992 and 1994.

^c Not a reporting category in 1990.

Exhibit 3.5

Distribution of Racial and Ethnic Characteristics of WIC Participants by Region

Region	American Indian or Alaskan Native	Asian or Pacific Islander	Black (non-Hispanic)	Hispanic	White (non-Hispanic)	Race or Ethnicity Not Reported	Total WIC
Percent by region							
Northeast	0.4	3.8	25.5	27.9	40.4	1.9	780,779
Mid-Atlantic	0.2	1.4	28.8	29.8	39.7	0.2	931,463
Southeast	0.5	0.9	43.2	6.6	48.8	0.0	1,348,329
Midwest	0.7	2.1	29.6	8.9	58.1	0.5	1,091,716
Southwest	2.6	0.9	22.2	44.2	30.0	0.1	987,720
Mountain Plains	4.3	1.5	12.8	9.9	71.2	0.2	511,977
Western	3.9	6.8	7.6	50.5	24.5	6.7	1,255,861
<i>US WIC</i>	1.7	2.6	25.4	26.1	42.7	1.6	100.0
	116,916	179,574	1,754,201	1,802,449	2,946,565	108,140	6,907,848

Black enrollment decreased by nearly two percentage points between 1992 and 1994. This decrease was seen unilaterally across all regions. Although this population showed a proportionate decrease, numbers of black (non-Hispanic) WIC participants increased slightly from 1.6 million in 1992 to 1.7 million in 1994.

White enrollment decreased by slightly more than one percentage point, with the largest declines occurring in the Mid-Atlantic, Mountain Plains, and Western regions. Actual numbers of white enrollees rose from 2.5 million in 1992 to 2.9 million in 1994.

While American Indian or Alaskan Native participation shows virtually no change at the national level, there were slight decreases—of about one percentage point in both the Mountain Plains and Western regions. In actual numbers, Native American/Alaskan Native enrollment remained about the same in the Mountain Plains between 1992 and 1994. Paralleling the considerable 1992-to-1994 growth in WIC in the Western region, WIC enrollees in this racial/ethnic group increased, in actual numbers, from 42,692 in 1992 to 48,978 in 1994—a 15 percent increase.

4. INCOME OF WIC PARTICIPANTS

Federal regulations require categorically eligible WIC applicants to meet income eligibility standards set by State WIC agencies. Income limits set by the States may not exceed 185 percent or be less than 100 percent of the Office of Management and Budget (OMB) poverty income guidelines, which are based on household size. As of February 1994, at the 185-percent threshold, a person from a family of four with an annual household income of \$27,380 or less is income-eligible for the WIC Program.

In 1990, State WIC agencies were required to establish procedures for determining an applicant adjunctively income eligible for WIC benefits if the individual could document participation in such means-tested programs as the Aid to Families with Dependent Children (AFDC), Food Stamp, or Medicaid Programs. As of April 1994, a vast majority of State WIC agencies were implementing such procedures. WIC regulations also allow States to extend automatic WIC income eligibility to individuals who participate in other State-selected, means-tested programs which apply income eligibility guidelines that are in congruence with State regulations on WIC income. Exhibit 4.1 displays information reported by States on their use of means-tested programs to determine WIC income eligibility. As reported in PC92, a substantial majority of States apply AFDC, food stamp, and Medicaid participation to determine WIC income eligibility. In addition, the percentages of states using participation in Supplemental Security Income, Free or Reduced-Price National School Lunch Program, or other means-tested programs to establish adjunctive eligibility have increased steadily since 1990.

States are also permitted to establish requirements for documenting and verifying income. Such documentation can range from a paystub to self-declaration. State-reported information on income documentation appears in Exhibit 4.2. More than one-third of State WIC agencies require WIC applicants to document income. Another third allow applicants to self-declare income. In sixteen of the remaining twenty-four agencies, documentation of income may be required by local WIC agencies.

State-level tables containing information on means-tested programs and income documentation appear in Appendix C.

The reported 1994 participation of WIC clients in other programs appears in Exhibit 4.3. States reported program participation information for 92.2 percent of WIC enrollees. In 1994, two-thirds of WIC recipients, for whom other program participation is reported, were receiving benefits from at least one other public assistance program at time of WIC certification. A majority (53 percent) of WIC clients received Medicaid benefits; 37 percent of WIC clients participated in the Food Stamp Program; and 27 percent reported receiving AFDC benefits. Almost one-quarter (22.9 percent) participated in all three programs, receiving AFDC, food stamps, and Medicaid benefits. These estimates represent a lower bound of program participation because the data are recorded at time of certification. Staff in local WIC service sites refer WIC enrollees to other programs, and this participation is not captured in the estimates presented here.

Exhibit 4.1

Means-Tested Programs Used to Determine WIC Income Eligibility

Program	Agencies Reporting in 1990		Agencies Reporting in 1992		Agencies Reporting in 1994	
	Number	Percent	Number	Percent	Number	Percent
<i>Adjunctive income eligibility</i>						
AFDC or ADC	55	72.4%	72	86.7%	73	86.9%
Food Stamp Program	44	57.9	72	86.7	74	88.1
Medicaid	61	80.3	76	91.6	77	91.7
<i>Automatic income eligibility</i>						
Supplemental Security Income	17	22.4	20	24.1	22	26.2
Free or Reduced-Price NSLP meals	15	19.7	16	19.3	21	25.0
Other programs	14	18.4	14	16.9	18*	21.4
No programs	7	9.2	2	2.4	2	2.4
Total reporting State WIC agencies	76	100	83	100	84	100

Notes

* In 1994, other programs included:

Extended Medicaid	General Public Assistance Program
Healthy Start	Michigan Care
Head Start	Food Redistribution Program on Indian Reservations
Maryland Weatherization Program	Refugee Resettlement Program
Maryland Pharmacy Assistance Program	Child Summer Food Program
Low-Income Home Energy Assistance	

After June 1, 1990, federal WIC regulations allowed participation in the AFDC, Food Stamp, or Medicaid Programs to indicate adjunctive income eligibility for the WIC program. Responses are not mutually exclusive so percentages add to more than 100 percent. Percentages are based on numbers of reporting agencies.

Exhibit 4.2

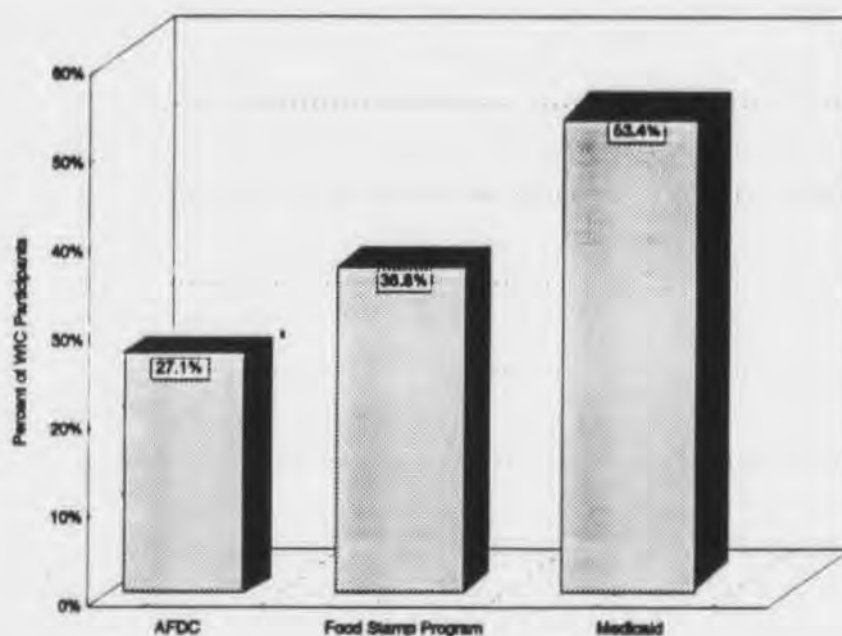
Income Documentation and Verification Policy

Documentation Verification and Requirements	State Agencies	
	Number	Percent
Income documentation required	32	38.1%
Applicant self-declares income for economic unit	28	33.3
In some cases local agencies have discretion with regard to income documentation	16	19.0
Income documentation preferred in all cases but not required	8	9.5
Total reporting State WIC agencies	84	100.0

Exhibit 4.3

Number and Percent of WIC Participants with Reported Participation in Other Programs at Certification

Reported receiving benefits from...	Number	Percent of All WIC
Aid to Families with Dependent Children (AFDC), Food Stamp, and Medicaid Programs	1,579,145	22.9%
AFDC and Food Stamp Programs	85,245	1.2
AFDC and Medicaid Programs	175,948	2.5
Food Stamp and Medicaid Programs	627,177	9.1
AFDC only	37,660	0.5
Food Stamp Program only	251,180	3.6
Medicaid Program only	1,303,825	18.9
Do not participate in other programs	2,309,740	33.4
No participation reported	537,929	7.8
US WIC	6,907,848	100.0



Notes

Not reported indicates the number and percentage of participants for whom no data regarding participation in Medicaid, AFDC, and Food Stamps are reported.

Most Indian Tribal Organizations (ITO) participate in the Food Distribution on Indian Reservations (FDPIR) Program. Although PC94 data specifications permitted Indian WIC programs to report FDPIR participation, only three of 30 ITOs chose to report these data. Of the 50.5 percent, 28,570 individuals for whom these data were reported, only 4.3 percent participate in the FDPIR program.

For the 1994 WIC participant and program characteristics study, State agencies were asked to report for each person enrolled in WIC during April 1994: size of family or economic unit; income of family or economic unit; and income period. In many States, routine collection of such information is a relatively recent undertaking so that some or all of these data are not reported for April 1994 for about 13.8 percent of the almost seven million WIC participants. States with income information missing for over 30 percent of their WIC participants include: Alabama, Illinois, Indiana, New York, Puerto Rico, South Dakota, and Tennessee. For some participants, States reported "actual" income—that is, the figures provided by WIC applicants. For some applicants determined adjunctively income eligible, States indicated income ranges. Both types of data have been combined to compute average annualized income and to calculate percent of poverty. Midpoints of income ranges were used in these computations.

Footnotes on tables indicate that, in some States, individuals were reported to have zero incomes. While available income data from all States have been included in this analysis, these zeroes have been excluded because, in forty-two of eighty-four reporting agencies, zero does not indicate that the participant has no income. In some States, zero is used to indicate missing data. Most of the individuals have income, but no descriptive information was collected.

Exhibits 4.5 through 4.9 present data on the income and poverty status of WIC participants during 1994. The mean and median incomes of WIC enrollees remain at low levels.

Average family (economic unit) size slightly increased from 3.8 persons in 1992 to 4.0 persons in 1994 (Exhibit 4.4). Most of this increase occurred in units of six or more persons. The number of WIC participants reporting in this category increased by 29.4 percent since 1992. Across participant categories, the largest increase in household size occurred for breastfeeding women, resulting in an average household size of 4.6 persons. Approximately 2.0 percent of infants and children and 4.2 percent of postpartum women are classified as residing in one-person households. These categories include children placed in foster care and mothers who miscarry or whose infants are placed in foster care.

Exhibits 4.5 and 4.6 present mean and median incomes by participant and ethnic categories. Data to calculate mean and median income were not reported for 16.4 percent of WIC enrollees. For the 83.6 percent of WIC enrollees with income data, average family/economic unit income across all categories was \$9,684 in April 1994, a 4.0 percent increase from 1992. Median income in 1994 shows a 2.7 percent increase over 1992. Income distributions by participant and ethnic categories have changed little since 1992. The highest average income continues to be reported for breastfeeding women; the lowest was reported for pregnant women—the category containing the youngest adult WIC participants. Across ethnic categories, Asian or Pacific Islanders reported the highest incomes, while black participants reported the lowest. These findings are consistent with income data collected by the US Bureau of the Census.

Exhibit 4.4

Distribution of the Size of Families or Economic Units of WIC Participants by Participant Category

Size of Family or Economic Unit	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Percent of total women		Percent of total women		Percent of total women		Percent of total women		Percent by category		Percent by category		Percent by category	
	1992	1994	1992	1994	1992	1994	1992	1994	1992	1994	1992	1994	1992	1994
1 person*	17.3%	17.8%	0.9%	0.0%	2.5%	4.2%	11.2%	10.5%	2.0%	1.7%	2.3%	2.2%	4.2%	4.0%
2 persons	26.7	26.5	15.1	15.6	17.7	19.5	22.8	22.5	16.4	16.3	11.9	11.9	15.7	15.5
3 persons	24.9	25.0	26.1	27.1	29.0	29.4	26.0	26.7	29.2	29.7	24.6	24.3	26.3	26.3
4 persons	15.2	15.1	21.9	22.1	23.7	22.6	18.2	18.6	24.1	24.6	27.3	27.0	24.3	24.4
5 persons	7.7	7.7	14.2	13.6	13.5	12.2	10.1	10.1	13.9	14.1	17.3	16.8	14.7	14.5
6 or more persons	6.7	6.9	13.4	16.5	11.9	10.9	9.0	9.8	12.2	12.1	14.9	16.5	12.8	13.8
Size not reported	1.5	0.7	8.5	4.9	1.8	0.8	2.7	1.5	2.3	1.1	1.7	0.9	2.1	1.1
US WIC	781,029	823,604	207,587	275,158	300,499	491,998	1,289,115	1,590,762	1,732,077	1,852,455	2,732,811	3,464,631	5,754,003	6,907,848
Mean	3.0	3.0	3.9	4.6	3.8	3.7	3.3	3.5	3.8	3.8	4.0	4.4	3.8	4.0

Notes

Calculations in this table are based on all families or economic units reporting size. Units reporting zero members are included in the size-not-reported category.

* Mothers who miscarry, mothers of infants assigned to foster care, and infants and children assigned to foster care may be reported as being in one-person economic units.

Exhibit 4.5

Mean and Median Annualized Family or Economic Unit Income of WIC Participants by Participant Category

	Pregnant Women	Breastfeeding Women	Postpartum Women	Total Women	Infants	Children	Total WIC
Average (mean) income	\$9,017	\$11,032	\$9,197	\$9,423	\$9,315	\$9,988	\$9,684
Median income	\$7,800	\$9,638	\$7,752	\$8,040	\$7,800	\$8,248	\$8,008
Percent with income reported	82.2%	83.4%	84.8%	83.2%	80.7%	85.3%	83.6%
Percent with income reported as zero ^a	3.8	2.8	2.4	3.2	3.3	2.0	2.6
Percent with income not reported ^b	13.9	13.8	12.8	13.5	15.9	12.7	13.8
<i>US WIC</i>	823,605	275,159	491,999	1,590,762	18,524,553	3,464,632	6,907,849

Notes

State and local WIC agencies may collect data on weekly, monthly, or annual incomes. For reporting and analysis, annualized incomes have been computed.

Also note that income calculations include only those participants for whom State WIC agencies reported data on income, income period, and size of economic unit.

In 1994, a State WIC agency could report actual income for a participant or could report an income range. Both types of data are included in the calculations of mean and median incomes.

^a Zero incomes are excluded from mean and median income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. When entries of zero are included, the average income across all WIC participants is \$9,362.

^b Not reported indicates the percentage of participants by participant category for whom no data on income, income period, or size of economic unit are reported.

Exhibit 4.6

Average Annualized Family or Economic Unit Income of WIC Participants by Participant Category and Racial or Ethnic Characteristics

Racial or Ethnic Characteristic	Pregnant Women	Breastfeeding Women	Postpartum Women	Total Women	Infants	Children	Total Participants
<i>American Indian or Alaskan Native</i>							
Average (mean) income	\$9,425	\$10,383	\$9,101	\$9,580	\$9,619	\$10,300	\$10,007
Median income	\$7,800	\$8,964	\$7,452	\$7,800	\$7,800	\$8,628	\$8,326
Percent with income reported	85.6%	89.6%	87.0%	86.9%	87.3%	91.2%	89.4%
Percent with income reported as zero ^a	3.6	1.7	2.2	2.8	2.2	1.2	1.7
Percent with income not reported ^b	10.7	8.7	10.8	10.3	10.5	7.7	8.8
Number of WIC Participants	12,045	5,501	5,655	23,201	27,071	66,645	116,916
<i>Asian or Pacific Islander</i>							
Average (mean) income	\$10,731	\$12,117	\$11,478	\$11,230	\$11,300	\$12,105	\$11,667
Median income	\$9,828	\$10,992	\$10,164	\$10,164	\$10,164	\$10,548	\$10,308
Percent with income reported	84.0%	85.0%	90.1%	86.2%	85.2%	89.2%	87.3%
Percent with income reported as zero ^a	2.7	3.0	2.3	2.6	2.2	1.3	1.9
Percent with income not reported ^b	13.3	12.0	7.6	11.1	12.6	9.5	10.8
Number of WIC Participants	21,156	7,378	14,681	43,215	52,570	83,789	179,574
<i>Black (non-Hispanic)</i>							
Average (mean) income	\$7,014	\$8,943	\$6,862	\$7,158	\$6,852	\$7,537	\$7,281
Median income	\$5,400	\$7,200	\$5,400	\$5,400	\$5,200	\$5,676	\$5,400
Percent with income reported	79.5%	80.7%	83.9%	81.2%	77.4%	84.9%	82.0%
Percent with income reported as zero ^a	4.1	2.3	2.1	3.2	3.8	2.0	2.8
Percent with income not reported ^b	16.4	17.1	14.0	15.6	18.8	13.1	15.2
Number of WIC Participants	197,006	36,838	122,948	356,791	486,394	911,017	1,754,202
<i>Hispanic</i>							
Average (mean) income	\$9,269	\$9,703	\$9,476	\$9,423	\$9,316	\$9,459	\$9,411
Median income	\$8,496	\$8,964	\$8,544	\$8,640	\$8,400	\$8,320	\$8,400
Percent with income reported	79.6%	82.4%	84.5%	81.5%	78.5%	83.7%	81.7%
Percent with income reported as zero ^a	5.0	4.8	4.0	4.7	4.7	3.6	4.2
Percent with income not reported ^b	15.4	12.8	11.6	13.8	16.7	12.7	14.1
Number of WIC Participants	228,286	99,209	117,855	445,350	517,398	839,702	1,802,450

Exhibit 4.6 (continued)

Average Annualized Family or Economic Unit Income of WIC Participants by Participant Category and Racial or Ethnic Characteristics

Racial or Ethnic Characteristic	Pregnant Women	Breastfeeding Women	Postpartum Women	Total Women	Infants	Children	Total Participants
<i>White (non-Hispanic)</i>							
Average (mean) income	\$9,768	\$12,613	\$10,135	\$10,379	\$10,613	\$11,548	\$11,041
Median income	\$8,820	\$12,000	\$8,952	\$9,288	\$9,600	\$10,200	\$9,804
Percent with income reported	85.4%	87.4%	85.9%	85.9%	84.1%	90.0%	87.5%
Percent with income reported as zero ^a	3.0	1.6	1.8	2.4	2.2	1.2	1.7
Percent with income not reported ^b	11.5	11.0	12.3	11.7	13.7	8.9	10.8
Number of WIC Participants	360,454	120,931	227,295	708,680	754,892	1,482,994	2,946,566
<i>Ethnicity not reported</i>							
Average (mean) income	\$9,870	\$10,931	\$9,618	\$10,042	\$10,089	\$10,589	\$10,293
Median income	\$8,112	\$9,600	\$7,920	\$8,424	\$8,292	\$8,736	\$8,508
Percent with income reported	60.1%	19.8%	29.9%	36.4%	64.0%	12.9%	22.6%
Percent with income reported as zero ^a	4.4	0.8	1.6	2.3	4.0	0.6	1.2
Percent with income not reported ^b	35.4	79.3	68.5	61.3	32.0	86.5	76.2
Number of WIC Participants	4,658	5,301	3,566	13,525	14,130	80,485	108,141

Notes

State and local WIC agencies may collect data on weekly, monthly, or annual incomes. For reporting and analysis, annualized incomes have been computed.

Also note that income calculations include only those participants for whom State WIC agencies reported data on income, income period, and size of economic unit.

In 1994, a State WIC agency could report actual income for a participant or could report an income range. Both types of data are included in the calculations of mean and median incomes.

^a Zero incomes are excluded from mean and median income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. When entries of zero are included, the average income across all WIC participants is \$9,362.

^b Not reported indicates the percentage of participants by participant category for whom no data on income, income period, or size of economic unit are reported.

Poverty Status

In Exhibits 4.7 and 4.8, information is presented on percent of poverty level by participant category and by race/ethnicity. Again, across all categories, there has been little change since 1992, with almost three-quarters of WIC participants reporting incomes at or below 130 percent of poverty, while close to two-thirds of WIC participants reported incomes at or below the poverty line. Within categories, the percentage of women participants below the poverty line has increased since 1992 by three percentage points; infants display a two percentage point increase. Again, it is important to note that these findings apply to only the 83.6 percent of April 1994 WIC enrollees for whom income data were reported.

Exhibit 4.9 presents the distribution of percent of poverty for those participants who report no participation in the AFDC, Food Stamp, and Medicaid Programs. This group accounts for one-third of the WIC population. There are some differences between this group and the WIC population receiving other benefits. Just under one-half (46.6 percent) of these individuals are under the poverty line as compared with two-thirds of the WIC population reporting participation in public aid programs.

The poverty of WIC participants can be seen in the information displayed in Exhibit 4.10. This table contains data on percent of poverty level for the general US population, for American families, and for families with children under six years of age. National data are drawn from the US Census Bureau's *Current Population Survey*. In general, in this country, slightly more than 5.0 percent of the population falls into the 0-to-50 percent poverty level. The rate increases to 9.9 percent for families with children under six years of age. In 1994, over one-third (36.3 percent) of all WIC participants reported incomes falling into the 0-to-50 percent of poverty range.

Exhibit 4.7

Distribution of Percent of Poverty Level of WIC Participants by Participant Category

Percent of Poverty Level	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent
Percent by participant category														
0	0.6%	0.6%	0.3%	0.3%	0.7%	0.7%	0.6%	0.6%	0.7%	0.7%	0.5%	0.5%	0.5%	0.5%
1 - 50	30.6	31.2	28.5	28.8	37.6	38.3	32.4	33.0	36.7	37.4	36.8	37.3	35.8	36.3
51 - 100	27.8	58.9	29.6	58.4	27.4	65.7	28.0	60.9	26.4	63.7	28.6	65.9	27.9	64.2
101 - 130	11.0	69.9	12.3	70.7	10.1	75.8	11.0	71.9	9.3	73.0	10.0	76.0	10.1	74.2
131 - 150	5.5	75.5	5.7	76.4	4.5	80.3	5.2	77.1	3.9	76.9	4.6	80.6	4.6	78.8
151 - 185	5.8	81.3	5.1	81.4	4.0	84.3	5.1	82.2	3.4	80.3	4.3	84.9	4.2	83.0
186 - 200	0.3	81.6	0.1	81.6	0.2	84.5	0.2	82.5	0.1	80.4	0.1	85.0	0.1	83.2
201 - 225	0.3	81.9	0.1	81.7	0.2	84.6	0.2	82.7	0.1	80.5	0.1	85.1	0.1	83.3
226 - 250	0.2	82.0	0.1	81.7	0.1	84.7	0.1	82.8	0.1	80.6	0.1	85.2	0.1	83.4
Over 250	0.2	82.2	0.1	81.9	0.1	84.8	0.2	83.0	0.1	80.7	0.1	85.3	0.1	83.5
Income reported as zero ^a	3.8	86.1	2.5	84.4	2.4	87.2	3.2	86.1	3.3	84.1	2.0	87.3	2.6	86.2
Not reported ^b	13.9	100.0	15.6	100.0	12.8	100.0	13.9	100.0	15.9	100.0	12.7	100.0	13.8	100.0
US WIC	823,605		275,159		491,999		1,590,762		1,852,455		3,464,632		6,907,849	

Notes

Poverty level calculations are based on income, income period, and household size as reported by State WIC agencies. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

^a Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income.

^b Not reported indicates the percentage of participants by participant category for whom no data on income, income period, or size of economic unit are reported.

Exhibit 4.8

Distribution of Percent of Poverty Level of WIC Participants by Participant Category and Racial or Ethnic Characteristics

	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total Participants	
	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent
American Indian or Alaskan Native														
0	1.0%	1.0%	0.4%	0.4%	1.4%	1.4%	0.9%	0.9%	0.9%	0.9%	0.8%	0.8%	0.9%	0.9%
1 - 50	35.0	36.0	41.2	41.6	43.6	45.1	38.6	39.5	42.8	43.8	42.9	43.7	42.0	42.9
51 - 100	28.4	64.4	29.1	70.7	26.1	71.2	28.0	67.5	27.3	71.1	30.8	74.5	29.4	72.3
101 - 130	10.0	74.4	10.2	80.9	8.6	79.8	9.7	77.2	9.2	80.3	9.2	83.7	9.3	81.6
131 - 150	5.2	79.5	4.3	85.2	3.4	83.3	4.5	81.8	3.6	83.9	3.6	87.3	3.8	85.4
151 - 185	5.2	84.7	3.7	88.9	3.3	86.5	4.4	86.2	2.9	86.8	3.5	90.8	3.5	88.9
186 - 200	0.2	84.9	0.2	89.1	0.2	86.7	0.2	86.3	0.1	86.9	0.1	90.8	0.1	89.0
201 - 225	0.4	85.3	0.2	89.3	0.2	86.9	0.3	86.7	0.1	87.1	0.1	91.0	0.2	89.2
226 - 250	0.1	85.5	0.1	89.4	0.0	87.0	0.1	86.8	0.1	87.1	0.1	91.1	0.1	89.3
Over 250	0.2	85.6	0.2	89.5	0.0	87.0	0.1	86.9	0.2	87.3	0.1	91.2	0.1	89.4
Income reported as zero ^a	3.6	89.3	1.7	91.2	2.2	89.2	2.8	89.7	2.2	89.5	1.2	92.3	1.7	91.2
Not reported ^b	10.7	100.0	8.8	100.0	10.8	100.0	10.3	100.0	10.5	100.0	7.7	100.0	8.8	100.0
Total WIC	12,045		5,501		5,655		23,201		27,071		66,645		116,916	
Asian or Pacific Islander														
0	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%
1 - 50	20.6	20.9	21.5	21.7	24.6	24.8	22.1	22.4	28.6	28.8	28.4	28.6	26.9	27.2
51 - 100	39.0	59.9	36.1	57.8	42.9	67.7	39.8	62.2	38.9	67.7	43.2	71.8	41.1	68.3
101 - 130	11.6	71.5	13.3	71.2	11.7	79.4	11.9	74.1	9.6	77.3	9.2	81.0	10.0	78.3
131 - 150	5.7	77.2	7.0	78.1	5.8	85.2	6.0	80.1	4.1	81.4	4.1	85.2	4.6	82.8
151 - 185	5.9	83.1	6.5	84.6	4.7	89.9	5.6	85.7	3.5	84.8	3.7	88.9	4.1	86.9
186 - 200	0.1	83.2	0.2	84.8	0.1	90.0	0.1	85.8	0.1	84.9	0.1	89.0	0.1	87.0
201 - 225	0.4	83.6	0.1	84.9	0.1	90.1	0.3	86.0	0.1	85.0	0.1	89.1	0.1	87.1
226 - 250	0.1	83.7	0.0	84.9	0.0	90.1	0.0	86.1	0.0	85.0	0.0	89.1	0.0	87.2
Over 250	0.3	84.0	0.1	85.0	0.0	90.1	0.2	86.2	0.1	85.2	0.1	89.2	0.1	87.3
Income reported as zero ^a	2.7	86.7	3.0	87.9	2.3	92.4	2.6	88.9	2.2	87.4	1.3	90.5	1.9	89.2
Not reported ^b	13.3	100.0	12.1	100.0	7.6	100.0	11.1	100.0	12.6	100.0	9.5	100.0	10.8	100.0
Total WIC	21,156		7,378		14,681		43,215		52,570		83,789		179,574	

Distribution of Percent of Poverty Level of WIC Participants by Participant Category and Racial or Ethnic Characteristics

	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total Participants	
	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent
Black (non-Hispanic)														
0	1.0%	1.0%	0.4%	0.4%	0.9%	0.9%	0.9%	0.9%	1.3%	1.3%	0.9%	0.9%	1.0%	1.0%
1 - 50	40.4	41.4	38.3	38.7	51.7	52.6	44.1	45.0	48.1	49.5	49.5	50.3	48.0	49.0
51 - 100	23.3	64.6	25.6	64.2	20.7	73.3	22.6	67.6	18.5	67.9	23.0	73.4	21.7	70.7
101 - 130	7.2	71.9	8.8	73.1	5.8	79.1	6.9	74.5	5.2	73.2	6.3	79.7	6.1	76.8
131 - 150	3.5	75.4	4.0	77.0	2.5	81.5	3.2	77.7	2.2	75.4	2.6	82.3	2.6	79.4
151 - 185	3.5	79.0	3.3	80.3	2.1	83.6	3.0	80.7	1.8	77.1	2.2	84.5	2.3	81.7
186 - 200	0.1	79.1	0.1	80.4	0.1	83.7	0.1	80.8	0.1	77.2	0.1	84.6	0.1	81.8
201 - 225	0.1	79.3	0.1	80.5	0.1	83.8	0.1	80.9	0.1	77.3	0.1	84.7	0.1	81.9
226 - 250	0.1	79.3	0.0	80.6	0.0	83.8	0.1	81.0	0.0	77.3	0.1	84.7	0.0	81.9
Over 250	0.2	79.5	0.1	80.6	0.1	83.9	0.1	81.2	0.1	77.4	0.1	84.9	0.1	82.0
Income reported as zero*	4.1	83.6	2.3	82.9	2.1	86.0	3.2	84.4	3.8	81.2	2.0	86.9	2.8	84.8
Not reported ^b	16.4	100.0	17.1	100.0	14.0	100.0	15.6	100.0	18.8	100.0	13.1	100.0	15.2	100.0
Total WIC	197,006		36,838		122,948		356,791		486,394		911,017		1,754,202	
Hispanic														
0	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
1 - 50	28.0	28.1	30.1	30.2	33.7	33.8	30.0	30.1	34.6	34.7	37.0	37.1	34.6	34.7
51 - 100	32.7	60.8	32.7	62.9	34.6	68.4	33.2	63.3	32.0	66.6	33.4	70.6	33.0	67.6
101 - 130	10.4	71.2	9.2	72.2	9.4	77.8	9.9	73.2	7.5	74.1	7.8	78.4	8.2	75.9
131 - 150	4.3	75.5	3.4	75.5	3.5	81.3	3.9	77.0	2.4	76.6	2.8	81.2	3.0	78.9
151 - 185	3.7	79.2	2.5	78.0	2.9	84.2	3.2	80.3	1.8	78.3	2.2	83.5	2.3	81.2
186 - 200	0.1	79.4	0.1	78.1	0.1	84.3	0.1	80.4	0.1	78.4	0.1	83.5	0.1	81.3
201 - 225	0.1	79.5	0.1	78.2	0.1	84.4	0.1	80.5	0.1	78.4	0.1	83.6	0.1	81.3
226 - 250	0.1	79.5	0.0	78.2	0.1	84.4	0.0	80.5	0.0	78.4	0.0	83.6	0.0	81.4
Over 250	0.1	79.6	0.0	78.2	0.1	84.5	0.1	80.6	0.1	78.5	0.1	83.7	0.1	81.4
Income reported as zero*	5.0	84.6	3.9	82.2	4.0	88.4	4.5	85.1	4.7	83.3	3.6	87.3	4.1	85.6
Not reported ^b	15.4	100.0	17.8	100.0	11.6	100.0	14.9	100.0	16.7	100.0	12.7	100.0	14.4	100.0
Total WIC	228,286		99,209		117,855		445,350		517,398		839,702		1,802,450	

Exhibit 4.8 (continued)

Distribution of Percent of Poverty Level of WIC Participants by Participant Category and Racial or Ethnic Characteristics

	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total Participants	
	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent
White (non-Hispanic)														
0	0.7%	0.7%	0.5%	0.5%	0.9%	0.9%	0.7%	0.7%	0.7%	0.7%	0.4%	0.4%	0.6%	0.6%
1 - 50	27.4	28.1	25.0	25.4	33.1	34.0	28.8	29.5	31.4	32.0	30.9	31.3	30.5	31.1
51 - 100	26.5	54.6	28.8	54.2	26.5	60.5	26.9	56.4	26.8	58.8	29.7	61.0	28.3	59.3
101 - 130	13.5	68.1	16.4	70.6	12.8	73.3	13.8	70.2	13.1	71.9	14.1	75.2	13.8	73.1
131 - 150	7.4	75.5	8.3	78.9	6.2	79.5	7.2	77.4	6.1	78.0	7.1	82.3	6.9	80.0
151 - 185	8.4	83.9	7.8	86.7	5.7	85.2	7.4	84.8	5.5	83.5	7.1	89.3	6.8	86.7
186 - 200	0.4	84.4	0.2	86.9	0.2	85.4	0.3	85.1	0.2	83.6	0.2	89.5	0.2	87.0
201 - 225	0.5	84.9	0.2	87.1	0.2	85.6	0.3	85.5	0.2	83.8	0.2	89.7	0.2	87.2
226 - 250	0.3	85.1	0.1	87.2	0.1	85.8	0.2	85.7	0.1	83.9	0.1	89.8	0.1	87.3
Over 250	0.3	85.4	0.2	87.4	0.2	85.9	0.3	85.9	0.2	84.1	0.2	90.0	0.2	87.5
Income reported as zero ^a	3.0	88.5	1.5	88.9	1.8	87.7	2.4	88.3	2.2	86.3	1.2	91.1	1.7	89.2
Not reported ^b	11.5	100.0	11.1	100.0	12.3	100.0	11.7	100.0	13.7	100.0	8.9	100.0	10.8	100.0
Total WIC	360,454		120,931		227,295		708,680		754,892		1,482,994		2,946,566	
Racial data not reported														
0	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%
1 - 50	18.9	19.0	6.6	6.6	12.1	12.2	12.3	12.4	24.7	24.8	4.8	4.8	8.3	8.4
51 - 100	24.1	43.1	8.1	14.8	11.9	24.1	14.6	27.0	25.2	50.0	5.5	10.3	9.2	17.6
101 - 130	7.7	50.8	2.9	17.7	3.1	27.1	4.6	31.6	7.8	57.8	1.4	11.7	2.6	20.2
131 - 150	4.2	55.0	1.1	18.8	1.3	28.4	2.2	33.8	3.3	61.0	0.6	12.3	1.2	21.3
151 - 185	4.3	59.3	1.0	19.8	1.5	29.9	2.3	36.1	2.7	63.7	0.6	12.9	1.1	22.4
186 - 200	0.2	59.5	0.0	19.8	0.0	29.9	0.1	36.2	0.0	63.7	0.0	12.9	0.0	22.5
201 - 225	0.1	59.7	0.0	19.8	0.0	29.9	0.0	36.2	0.1	63.8	0.0	12.9	0.0	22.5
226 - 250	0.1	59.7	0.0	19.8	0.0	29.9	0.0	36.2	0.1	63.9	0.0	12.9	0.0	22.5
Over 250	0.4	60.1	0.0	19.8	0.0	29.9	0.2	36.4	0.1	64.0	0.0	12.9	0.1	22.5
Income reported as zero ^a	4.4	64.6	0.8	20.6	1.6	31.5	2.3	38.6	4.0	68.0	0.6	13.5	1.2	23.8
Not reported ^b	35.4	100.0	79.4	100.0	68.5	100.0	61.4	100.0	32.0	100.0	86.5	100.0	76.2	100.0
Total WIC	4,658		5,301		3,566		13,525		14,130		80,485		108,141	

Notes

Poverty level calculations are based on income, income period, and household size as reported by State WIC agencies. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

^a Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income.

^b Not reported indicates the percentage of participants by participant category for whom no data on income, income period, or size of economic unit are reported.

Exhibit 4.9

Distribution of Percent of Poverty Level at Certification for WIC Participants Reporting No Other Benefit Receipt^a

Percent of Poverty Level	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by participant category														
0	2,572	0.8%	327	0.3%	1,191	0.8%	4,090	0.7%	5,506	0.9%	6,174	0.6%	15,770	0.7%
1-50	60,645	19.4	19,242	17.0	26,995	17.9	106,881	18.5	143,626	22.5	184,190	16.8	434,637	18.8
51-100	82,545	26.4	32,581	28.8	43,667	29.0	158,793	27.5	182,913	28.7	301,541	27.5	643,247	27.8
101-130	51,369	16.4	21,085	18.6	27,612	18.3	100,066	17.3	103,251	16.2	201,858	18.4	405,175	17.5
131-150	29,845	9.5	11,261	9.9	14,716	9.8	55,822	9.7	50,583	7.9	113,136	10.3	219,541	9.5
151-185	32,370	10.3	10,467	9.2	13,572	9.0	56,410	9.8	44,726	7.0	113,039	10.3	214,175	9.3
186-200	631	0.2	126	0.1	212	0.1	969	0.2	690	0.1	1,334	0.1	2,993	0.1
201-225	597	0.2	118	0.1	179	0.1	893	0.2	636	0.1	1,210	0.1	2,740	0.1
226-250	278	0.1	61	0.1	76	0.1	414	0.1	328	0.1	617	0.1	1,359	0.1
Over 250	656	0.2	200	0.2	140	0.1	996	0.2	1,070	0.2	2,008	0.2	4,073	0.2
Income reported as zero ^a	25,808	8.2	6,738	6.0	10,942	7.3	43,489	7.5	51,264	8.0	50,538	4.6	145,291	6.3
Not reported ^b	25,518	8.2	11,044	9.8	11,380	7.6	47,942	8.3	53,773	8.4	118,965	10.9	220,680	9.6
Total WIC	312,833	100	113,249	100	150,682	100	576,765	100	638,365	100	1,094,610	100	2,309,740	100

Notes

^a This table excludes individuals for whom no data regarding participation in AFDC, Food Stamps, and Medicaid are reported.

^b Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income.

^c Not reported indicates the percentage of participants by participant category for whom no data on income, income period, or size of economic unit are reported.

Exhibit 4.10

Comparison of Poverty Levels of WIC Participants to Persons in the US Population in 1994^a

Percent of Poverty Level	General US Population 1994	Persons in US Families 1994	Persons in US Families with Children Under Six Years 1994	US WIC ^b 1994	US WIC Reporting ^b Income 1994
0 - 50	5.3%	5.2%	9.9%	36.3%	43.4%
51 - 100	9.0	8.3	12.9	27.9	33.4
101 - 130	5.9	5.5	7.6	10.1	12.0
131 - 150	4.1	3.8	4.9	4.6	5.5
151 - 185	7.1	6.9	8.4	4.2	5.1
186 - 200	3.0	2.9	3.0	0.1	0.2
Over 200	64.4	66.8	52.5	0.3	0.5
Income reported as zero ^c	1.1	0.5	0.7	2.6	N/A
Not reported ^d	N/A	N/A	N/A	13.8	N/A
Total	259,752,596	221,239,697	72,684,076	6,907,849	5,771,092

Notes

N/A indicates not applicable.

^a Source: March 1994 *Current Population Survey*.

^b WIC participant poverty level calculations are based on income, income period, and household size as reported by State WIC agencies. Figures in this table represent a count of individual WIC participants. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

^c Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income.

^d Not reported indicates the percentage of participants for whom no data on income, income period, or size of economic unit are reported.

5. NUTRITIONAL RISK CHARACTERISTICS

Applicants must be determined to be at nutritional risk to meet eligibility requirements for the WIC program. Federal WIC regulations establish certain guidelines for State WIC agencies in establishing nutritional risk-screening systems. To qualify for WIC benefits, applicants must be determined to be at risk based on anthropometric, biomedical, medical, or dietary factors. During the determination process, height and weight must be measured, and a blood test for anemia (usually hemoglobin or hematocrit) is administered to all participants except infants under six months of age. Medical history or dietary patterns may also be considered during this process. The nutritional risk determination is made by a competent professional authority, such as a physician, nutritionist, nurse, or other health professional.

Because nutritional risk criteria vary across State WIC agencies, criteria must be grouped into categories (standardized) in order to report on national participant characteristics. A committee of the National Association of WIC Directors (NAWD) created a set of risk categories which FCS has chosen to use for reporting nutritional risk data for biennial participant studies including PC94. Each State WIC agency converted its specific nutritional risk criteria into the NAWD categories which are used, throughout this chapter, to display PC94 data on nutritional risks. Definitions of the NAWD risks appear in Exhibit 5.1.

Nutritional Risk Criteria

During the eligibility determination process, WIC staff collect dietary information from applicants and participants. Exhibits 5.2 and 5.3 present information on State dietary intake policies and methods. Most States obtain dietary intake information from all participants. Approximately three-quarters of the States use twenty-four hour recalls and food item checklists to obtain nutritional data. State-by-State tables appear in Appendix D.

During the certification process, nutritional risks are recorded in applicant files. An applicant may be determined to possess more than one nutritional risk. Over half of the States reported that every identified applicable risk is recorded for each participant. State documentation policies are displayed in Exhibit 5.4; State-by-State tables appear in Appendix D.

Although, in 1994, States were allowed to submit the three highest priority nutritional risks present at the current certification, three nutritional risks were reported for only 18 percent of WIC participants, compared with 26 percent in 1992. PC94 data are not conducive to more detailed analysis of this finding. It is, however, worth noting that 56 percent of State WIC agencies indicate that all risk criteria are reported by local WIC providers, so it may be that most WIC participants present with single risks. An infant or child is more likely to have a single nutritional risk reported, while the categories of pregnant and breastfeeding women have the highest percentages of participants with three nutritional risks. At least one nutritional risk was reported for 98.9 percent of all individuals enrolled in the WIC Program in April 1994. (See Exhibit 5.5.)

Exhibit 5.1

Broad Categories of Nutritional Risk Criteria Developed by the National Association of WIC Directors

Anthropometric

- Low weight for height
- High weight for height
- Short stature
- Inappropriate growth/weight gain pattern
- Low birth weight/premature birth
- Other anthropometric risk

Biochemical

- Hematocrit or hemoglobin below State criteria
- Other biochemical test results which indicate nutritional abnormality (such as cholesterol, folic acid, B⁶, B¹², other nutritional anemias)

Clinical/Health/Medical

- Pregnancy-induced conditions (such as toxemia, preeclampsia, eclampsia, pregnancy-induced hypertension, gestational diabetes, excessive vomiting, and nausea)
- Delivery of low-birthweight/premature infant
- Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death
- General obstetrical risks (such as multiple fetus births, high parity, closely spaced pregnancies, age)
- Nutrition-related risk conditions (such as any nutrition-related chronic disease, genetic disorder, infectious disease, clinical malnutrition, failure to thrive, drug nutrient interactions)
- Substance abuse (drugs, alcohol, tobacco)
- Other health risk (mental retardation, for example)

Dietary

- Inadequate/inappropriate nutrient intake
- Other dietary risk

Other Risk

- Regression
 - Transfer (nutrition risk unknown)
 - Breastfeeding mother/infant dyad
 - Infant of a WIC-eligible mother or mother at risk during pregnancy
-

Exhibit 5.2

State Policies for Obtaining Dietary Intake Information

State Dietary Policy	State Agencies	
	Number	Percent
Information is obtained from all participants	71	84.5%
Information is obtained only from participants at risk due to dietary inadequacy	7	8.3
Other policies affect obtaining information	6	7.1
Total reporting State WIC agencies	84	100.0

Exhibit 5.3

Dietary Intake Methods Routinely Used by States

Dietary Intake Method	State Agencies	
	Number	Percent
Twenty-four hour recall	67	79.8%
Food frequency/food item checklist	62	73.8
Dietary record or diary	6	7.1
Computer-assisted analysis	3	3.6
Some other method	2	2.4

Note

Responses are not mutually exclusive, so percentages do not sum to 100 percent. Percentages are based on the number (84) of reporting State WIC agencies.

Exhibit 5.4

State Documentation of Nutritional Risk Criteria

Method	State Agencies	
	Number	Percent
The single most important risk criterion is reported	1	1.2%
All risk criteria are reported	47	56.0
Up to a set number of risk criteria are recorded	21	25.0
The most easily and quickly identifiable criteria are recorded	3	3.6
Local certifiers decide which criteria and how many criteria to record	10	11.9
Some other procedure is used	2	2.3
Total reporting State WIC agencies	84	100.0

Exhibit 5.5

Distribution of Number of Nutritional Risk Factors for WIC Participants Reported at Certification 1990, 1992, 1994

Number of Risk Factors	Pregnant Women			Breastfeeding Women			Postpartum Women			Infants			Children			Total WIC		
	1990	1992	1994	1990	1992	1994	1990	1992	1994	1990	1992	1994	1990	1992	1994	1990	1992	1994
Percent by participant category																		
1	33.0%	21.1%	22.6%	42.0%*	23.6%	24.2%	42.0%*	36.0%	30.6%	53.0%	57.3%	58.9%	60.0%	51.6%	53.3%	53.0%	47.3%	48.4%
2	24.0	24.5	33.4	19.0*	23.0	31.6	19.0*	28.3	35.7	20.0	26.1	30.2	23.0	27.3	33.7	22.0	26.5	32.8
3	39.0	54.0	42.7	28.0*	53.0	43.2	28.0*	35.2	32.2	13.0	15.7	9.9	14.0	20.6	12.1	18.0	25.6	17.8
No risk reported	3.0	0.4	1.4	10.0*	0.3	1.0	10.0*	0.6	1.6	14.0	0.9	1.0	3.0	0.5	1.0	7.0	0.6	1.1

Notes

* In 1990, breastfeeding and postpartum women were combined into one reporting category.

^b Caution must be exercised in comparing across years because of variation in sample sizes and methods of data collection. In 1992 and 1994, each State WIC agency reported up to three risks, recorded for each participant, on its automated client information system. In 1990, field data collectors abstracted up to three nutritional risks, for each participant in the sample, from case files maintained at local WIC service sites.

Nutritional Risks in PC94

Distributions of nutritional risk by participant category and age are presented in Exhibits 5.6 through 5.11. The most commonly reported categories of nutritional risk reported for the entire WIC population are anthropometric and dietary risks. Distributions vary, however, across participant categories.

The nutritional risks reported most frequently for WIC women are general obstetrical risks and inadequate nutrient intake. Blood measurements below State criteria were reported for a quarter of WIC women. Clinical, health, and medical risks are reported for higher percentages of women under the age of eighteen and over the age of thirty-five. Anthropometric risks were reported most frequently (50 percent) for women over the age of thirty-five, while overweight was reported for a bit more than one-quarter (26.9 percent) of all women.

Nutritional risks for infants vary by age at certification. Three-quarters of all infants from zero to three months are at risk because their mothers are WIC-eligible or because their mothers were at risk during pregnancy. Dietary risks are more likely to be reported for older infants.

Nearly two-thirds (61.0 percent) of children were reported as being at dietary risk. Anthropometric risks were reported for one-third of child WIC participants. There are only minimal differences by age with regard to types of nutritional risks reported for WIC children.

Exhibits 5.12 through 5.23 display distributions of nutritional risk by racial/ethnic categories. One of the strengths of PC94's near-census dataset is that it allows examination of nutritional risks for specific participant subgroups such as American Indian/Alaskan Native WIC enrollees. PC94 also permits consideration of characteristics of pregnant teenagers and migrants. See, for example, Exhibit 5.23 for information on pregnant WIC enrollees by age at certification. (Migrant WIC enrollment is described in Chapter Seven.)

The patterns of risks described below mirror findings from PC92. For PC94, the category of general obstetrical risks for pregnant women was reported with the highest frequencies among American Indians and Alaskan Natives and Asians or Pacific Islanders. Blood measurements below State criteria occur most often among pregnant black enrollees and least often among pregnant American Indians and Alaskan Natives and whites. Only among white enrollees was substance abuse reported for over 15 percent of pregnant WIC women. Low prepregnancy weight for height was reported for over 15 percent of pregnant Asians or Pacific Islanders. Inadequate or inappropriate nutrient intake was reported for over 15 percent of Hispanics and Asians or Pacific Islanders.

The most commonly reported infant nutritional risk across all racial/ethnic categories is WIC-eligible mother or mother at risk during pregnancy. While dietary risks account for the largest proportions of child nutritional risks in every racial/ethnic category, black and Hispanic children are about twice as likely to be reported as having blood measures below State standard as compared with children of other ethnicities. Similar findings were reported for PC92.

Exhibit 5.6

Number and Percent of Women WIC Participants by Participant Category, Age at Certification, and Type of Nutritional Risk Reported

Participant Category and Age at Certification	Anthropometric		Biochemical		Clinical, Health, and Medical		Dietary		Other Risks*		No Risk Reported		Total Women ^b	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by participant category and age													
Pregnant women	481,592	58.5%	201,141	24.4%	492,281	59.8%	378,182	45.9%	15,934	1.9%	11,187	1.4%	823,605	100.0%
Under 15 years	4,078	47.2	2,582	29.9	7,705	89.2	3,541	41.0	149	1.7	65	0.8	8,634	100.0
15 - 17 years	45,825	49.9	23,981	26.1	80,500	87.6	37,454	40.8	1,763	1.9	812	0.9	91,868	100.0
18 - 34 years	404,664	60.1	163,185	24.2	368,620	54.8	321,342	47.7	13,264	2.0	6,594	1.0	673,276	100.0
35 or more years	24,288	58.9	10,454	25.4	32,166	78.1	13,978	33.9	459	1.1	396	1.0	41,204	100.0
Age not reported	2,737	31.7	939	10.9	3,291	38.2	1,868	21.7	300	3.5	3,320	38.5	8,623	100.0
Breastfeeding women	116,547	42.4	55,360	20.1	140,360	51.0	113,802	41.4	120,761	43.9	2,838	1.0	275,159	100.0
Under 15 years	176	32.8	138	25.5	451	84.2	156	29.1	188	35.0	3	0.6	536	100.0
15 - 17 years	3,710	33.5	2,625	23.7	9,242	83.8	3,455	31.2	3,816	34.5	47	0.4	11,060	100.0
18 - 34 years	99,561	43.2	46,943	20.4	109,334	47.5	98,834	42.9	102,998	44.7	2,357	1.0	230,402	100.0
35 or more years	12,049	40.6	5,143	19.5	17,850	67.6	8,178	31.0	9,270	35.1	166	0.6	26,416	100.0
Age not reported	1,050	15.6	512	7.6	3,482	51.6	3,179	47.1	4,490	66.6	266	3.9	6,745	100.0
Postpartum women	194,141	39.5	147,035	29.9	280,823	57.1	249,559	50.7	27,260	5.5	7,815	1.6	491,999	100.0
Under 15 years	859	26.8	1,199	37.4	2,744	85.7	1,408	44.0	168	5.3	30	0.9	3,202	100.0
15 - 17 years	14,476	30.5	15,533	32.8	39,651	83.6	22,295	47.0	2,234	4.7	389	0.8	47,415	100.0
18 - 34 years	165,990	40.7	122,353	30.0	215,867	52.9	212,756	52.1	23,354	5.7	5,710	1.4	408,166	100.0
35 or more years	10,710	42.3	6,691	26.4	18,693	73.8	10,111	39.9	1,229	4.9	274	1.1	25,329	100.0
Age not reported	2,106	26.7	1,259	16.0	3,869	49.1	2,989	37.9	276	3.5	1,413	17.9	7,886	100.0
Total women	792,280	49.8	403,536	25.4	913,464	57.4	741,544	46.6	163,955	10.3	21,840	1.4	1,590,762	100.0
Under 15 years	5,113	41.3	3,918	31.7	10,900	88.1	5,105	41.3	505	4.1	98	0.8	12,372	100.0
15 - 17 years	64,011	42.6	42,140	28.0	129,393	86.1	63,203	42.0	7,812	5.2	1,247	0.8	150,343	100.0
18 - 34 years	670,216	51.1	332,480	25.3	693,821	52.9	632,932	48.2	139,616	10.6	14,661	1.1	1,311,844	100.0
35 or more years	47,047	50.6	22,288	24.0	68,709	73.9	32,267	34.7	10,957	11.8	835	0.9	92,949	100.0
Age not reported	5,893	25.3	2,710	11.7	10,641	45.8	8,036	34.6	5,065	21.8	4,999	21.5	23,254	100.0

Notes

*Other risks include regression, transfer (nutritional risk unknown), breastfeeding mother and infant dyad.

^bThe total women column reports only number of women in the category.

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percentage of WIC participants with a specific type (or category) of risk.

Exhibit 5.7

Number and Percent of Infant and Child WIC Participants by Age at Certification and Type of Nutritional Risk Reported

Participant Category and Age at Certification	Anthropometric		Biochemical		Clinical, Health, and Medical		Dietary		Other Risks		No Risk Reported		Total Infants and Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by participant category and age													
<i>Infants^b</i>	451,809	24.4%	93,380	5.0%	165,052	8.9%	284,664	15.4%	1,418,688	76.6%	18,726	1.0%	1,852,455	100.0%
0 - 3 months	347,616	22.3	29,685	1.9	126,868	8.1	170,367	10.9	1,307,937	83.8	14,531	0.9	1,560,607	100.0
4 - 5 months	20,547	36.1	5,893	10.3	8,421	14.8	15,767	27.7	28,882	50.7	957	1.7	56,988	100.0
6 - 8 months	51,549	38.9	39,237	29.6	14,926	11.3	50,240	37.9	40,928	30.9	911	0.7	132,524	100.0
9 - 11 months	18,674	39.2	14,312	30.1	9,412	19.8	20,415	42.9	5,124	10.8	241	0.5	47,625	100.0
Age not reported	13,423	24.5	4,254	7.8	5,425	9.9	27,876	51.0	35,817	65.5	2,085	3.8	54,711	100.0
<i>Children</i>	1,257,162	36.3	863,577	24.9	483,836	14.0	2,113,011	61.0	435,667	12.6	33,416	1.0	3,464,632	100.0
1 year	544,341	39.3	361,465	26.1	202,828	14.7	795,555	57.5	222,885	16.1	16,424	1.2	1,384,269	100.0
2 years	328,366	38.6	233,503	27.4	114,474	13.4	523,145	61.4	79,960	9.4	4,955	0.6	851,747	100.0
3 years	222,754	32.4	167,887	24.4	94,452	13.7	440,855	64.1	54,121	7.9	3,588	0.5	687,913	100.0
4 years	149,563	34.0	89,918	20.4	60,771	13.8	284,724	64.7	34,142	7.8	2,366	0.5	440,101	100.0
Age not reported	12,138	12.1	10,805	10.7	11,311	11.2	68,732	68.3	44,559	44.3	6,083	6.0	100,602	100.0

Notes

^aOther risks include regression, transfer (nutritional risk unknown), breastfeeding mother and infant dyad, infant of a WIC-eligible mother, or mother at risk during pregnancy.

^bAn infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percentage of WIC participants with a specific type (or category) of risk.

Exhibit 5.8

Number and Percent of WIC Participants with Specific Nutritional Risks Reported at Certification

Type of Risk and Specific Risk	WIC Participants	
	Number	Percent
	Percent by risk type	
<i>Anthropometric</i>	2,501,251	36.2%
Low weight for height	367,745	5.3
High weight for height	1,031,657	14.9
Short stature	495,848	7.2
Inappropriate growth or weight gain pattern	752,609	10.9
Low birthweight or premature birth	175,079	2.5
Other anthropometric	116,747	1.7
<i>Biochemical</i>	1,360,494	19.7
Hematocrit or hemoglobin below State criteria	1,311,668	19.0
Other biochemical test results which indicate nutritional abnormality	52,592	0.8
<i>Clinical, Health, Medical</i>	1,562,351	22.6
Pregnancy-induced conditions	50,399	0.7
Delivery of low-birthweight or premature infant	36,602	0.5
Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death	85,977	1.2
General obstetrical risks	529,933	7.7
Nutrition-related risk conditions	396,954	5.7
Substance abuse	179,596	2.6
Other health risk	519,216	7.5
<i>Dietary</i>	3,139,219	45.4
Inadequate or inappropriate nutrient intake	2,971,268	43.0
Other dietary risk	234,452	3.4
<i>Other risk</i>	2,018,310	29.2
Regression	160,373	2.3
Transfer (nutrition risk unknown)	151,974	2.2
Breastfeeding mother and infant dyad	560,403	8.1
Infant of a WIC-eligible mother or mother at risk during pregnancy	1,334,749	19.3
Other nutritional risks	40,710	0.6
<i>No risk reported</i>	73,982	1.1
<i>US WIC - total number of risks reported</i>	11,556,550	
<i>US WIC - total number of participants</i>	6,907,849	

Note

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percentage of WIC participants with a specific type (or category) of risk.

Exhibit 5.9

Number and Percent of Women WIC Participants by Participant Category with Specific Nutritional Risks Reported

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by participant category								
<i>Women in category</i>	823,605		275,159		491,999		1,590,762	
<i>Anthropometric</i>	481,592	58.5%	116,547	42.4%	194,141	39.5%	792,280	49.8%
Low weight for height	76,931	9.3	9,722	3.5	22,354	4.5	109,008	6.9
High weight for height	217,118	26.4	82,119	29.8	129,432	26.3	428,669	26.9
Short stature	20,662	2.5	8,036	2.9	7,899	1.6	36,597	2.3
Inappropriate growth or weight gain pattern	240,905	29.3	25,594	9.3	47,647	9.7	314,146	19.7
Low birthweight or premature birth	2,173	0.3	1,040	0.4	1,260	0.3	4,473	0.3
Other anthropometric	26,069	3.2	2,833	1.0	3,240	0.7	32,141	2.0
<i>Biochemical</i>	201,141	24.4	55,360	20.1	147,035	29.9	403,536	25.4
Hematocrit or hemoglobin below State criteria	197,588	24.0	53,662	19.5	140,926	28.6	392,175	24.7
Other biochemical test results which indicate nutritional abnormality	3,864	0.5	1,812	0.7	6,337	1.3	12,013	0.8
<i>Clinical, Health, Medical</i>	492,281	59.8	140,360	51.0	280,823	57.1	913,464	57.4
Pregnancy-induced conditions	31,839	3.9	6,751	2.5	11,809	2.4	50,399	3.2
Delivery of low-birthweight or premature infant	16,064	2.0	6,325	2.3	14,213	2.9	36,602	2.3
Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death	49,431	6.0	11,148	4.1	25,398	5.2	85,977	5.4
General obstetrical risks	312,785	38.0	79,002	28.7	138,146	28.1	529,933	33.3
Nutrition-related risk conditions	31,138	3.8	9,609	3.5	19,961	4.1	60,708	3.8
Substance abuse	97,661	11.9	16,314	5.9	37,909	7.7	151,884	9.5
Other health risk	71,369	8.7	44,345	16.1	92,509	18.8	208,223	13.1
<i>Dietary</i>	378,182	45.9	113,802	41.4	249,559	50.7	741,544	46.6
Inadequate or inappropriate nutrient intake	371,998	45.2	111,173	40.4	244,627	49.7	727,797	45.8
Other dietary risk	7,150	0.9	2,892	1.1	5,218	1.1	15,260	1.0
<i>Other risk</i>	15,934	1.9	120,761	43.9	27,260	5.5	163,955	10.3
Regression	391	0.0	969	0.4	2,170	0.4	3,530	0.2
Transfer (nutrition risk unknown)	13,899	1.7	3,337	1.2	11,742	2.4	28,978	1.8
Breastfeeding mother and infant dyad	937	0.1	110,421	40.1	5,480	1.1	116,837	7.3
Infant of a WIC-eligible mother or mother at risk during pregnancy	97	0.0	8,572	3.1	3,016	0.6	11,684	0.7
Other nutritional risks	630	0.1	1,344	0.5	5,037	1.0	7,010	0.4
<i>No risk reported</i>	11,187	1.4	2,838	1.0	7,815	1.6	21,840	1.4

Note

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percentage of WIC participants with a specific type (or category) of risk.

Exhibit 5.10
Number and Percent of Infant WIC Participants with Specific Nutritional Risks Reported by Age at Certification

Risk	0 - 3 Months		4 - 5 Months		6 - 8 Months		9 - 11 Months		Age Not Reported		Total Infants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by age												
<i>Infants in age group</i>	1,560,607		56,988		132,524		47,625		54,711		1,852,455	
<i>Anthropometric</i>	347,616	22.3%	20,547	36.1%	51,549	38.9%	18,674	39.2%	13,423	24.5%	451,809	24.4%
Low weight for height	63,479	4.1	1,930	3.4	5,868	4.4	3,428	7.2	2,030	3.7	76,735	4.1
High weight for height	54,512	3.5	7,836	13.8	19,288	14.6	6,642	13.8	4,889	8.9	93,167	5.0
Short stature	95,821	6.1	4,980	8.7	12,262	9.3	5,628	11.8	3,837	7.0	122,528	6.6
Inappropriate growth or weight gain pattern	59,636	3.8	4,410	7.7	15,118	11.4	4,788	10.1	1,248	2.3	85,200	4.6
Low birthweight or premature birth	132,287	8.5	5,391	9.5	8,328	6.3	1,892	4.0	2,335	4.3	150,233	8.1
Other anthropometric	38,868	2.5	1,376	2.4	3,295	2.5	938	2.0	1,094	2.0	45,572	2.5
<i>Biochemical</i>	29,695	1.9	5,893	10.3	39,237	29.6	14,312	30.1	4,254	7.8	93,380	5.0
Hematocrit or hemoglobin below State criteria*	28,800	1.8	5,815	10.2	38,922	29.4	14,051	29.5	4,253	7.8	91,841	5.0
Other biochemical test results which indicate nutritional abnormality	908	0.1	85	0.1	372	0.3	384	0.8	1	0.0	1,750	0.1
<i>Clinical, Health, Medical</i>	126,868	8.1	8,421	14.8	14,926	11.3	9,412	19.8	5,425	9.9	165,052	8.9
Nutrition-related risk conditions	43,264	2.8	3,270	5.7	7,238	5.5	6,548	13.7	2,367	4.3	62,687	3.4
Substance abuse	9,307	0.6	337	0.6	420	0.3	236	0.5	21	0.0	10,320	0.6
Other health risk	77,103	4.9	5,100	8.9	7,826	5.9	3,268	6.9	3,213	5.9	96,510	5.2
<i>Dietary</i>	170,367	10.9	15,767	27.7	50,240	37.9	20,415	42.9	27,876	51.0	284,664	15.4
Inadequate or inappropriate nutrient intake	144,510	9.3	11,695	20.5	31,609	23.9	15,830	33.2	25,393	46.4	229,037	12.4
Other dietary risk	27,079	1.7	4,619	8.1	21,310	16.1	5,363	11.3	2,577	4.7	60,948	3.3
<i>Other risk</i>	1,307,937	83.8	28,882	50.7	40,928	30.9	5,124	10.8	35,817	65.5	1,418,688	76.6
Regression	1,575	0.1	118	0.2	1,564	1.2	1,002	2.1	881	1.6	5,141	0.3
Transfer (nutrition risk unknown)	47,761	3.1	2,149	3.8	2,189	1.7	391	0.8	1,834	3.4	54,324	2.9
Breastfeeding mother and infant dyad	278,698	17.9	5,791	10.2	8,353	6.3	1,386	2.9	22,021	40.2	316,249	17.1
Infant of a WIC-eligible mother or mother at risk during pregnancy	1,174,723	75.3	23,748	41.7	31,451	23.7	2,422	5.1	14,914	27.3	1,247,257	67.3
Other nutritional risks	8,576	0.5	420	0.7	1,145	0.9	181	0.4	213	0.4	10,536	0.6
<i>No risk reported</i>	14,531	0.9	957	1.7	911	0.7	241	0.5	2,085	3.8	18,726	1.0

Notes

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percentage of WIC participants with a specific type (or category) of risk.

* Federal WIC regulations permit State and local agencies to dispense with hematological testing for infants under six months of age, as well as for children who are found to be within normal ranges at their last certification. However, blood tests should be performed on such children at least once in every twelve-month period.

Exhibit 5.11

Number and Percent of Child WIC Participants with Specific Nutritional Risks Reported by Age at Certification

Risk	1 Year ^a		2 Years		3 Years		4 Years		Age Not Reported		Total Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by age												
<i>Children in age group</i>	1,384,269		851,747		687,913		440,101		100,602		3,464,632	
<i>Anthropometric</i>	544,341	39.3%	328,366	38.6%	222,754	32.4%	149,563	34.0%	12,138	12.1%	1,257,162	36.3%
Low weight for height	80,434	5.8	47,043	5.5	32,987	4.8	19,590	4.5	1,948	1.9	182,002	5.3
High weight for height	221,636	16.0	137,910	16.2	83,321	12.1	62,113	14.1	4,841	4.8	509,822	14.7
Short stature	145,815	10.5	91,405	10.7	59,771	8.7	36,620	8.3	3,112	3.1	336,723	9.7
Inappropriate growth or weight gain pattern	154,160	11.1	88,520	10.4	65,337	9.5	42,085	9.6	3,161	3.1	353,263	10.2
Low birthweight or premature birth	17,743	1.3	1,263	0.1	580	0.1	313	0.1	473	0.5	20,373	0.6
Other anthropometric	13,619	1.0	9,700	1.1	9,170	1.3	6,342	1.4	204	0.2	39,034	1.1
<i>Biochemical</i>	361,465	26.1	233,503	27.4	167,887	24.4	89,918	20.4	10,805	10.7	863,577	24.9
Hematocrit or hemoglobin below State criteria ^b	346,354	25.0	223,714	26.3	160,771	23.4	86,018	19.5	10,795	10.7	827,652	23.9
Other biochemical test results which indicate nutritional abnormality	16,071	1.2	10,699	1.3	7,786	1.1	4,261	1.0	12	0.0	38,829	1.1
<i>Clinical, Health, Medical</i>	202,828	14.7	114,474	13.4	94,452	13.7	60,771	13.8	11,311	11.2	483,836	14.0
Nutrition-related risk conditions	108,370	7.8	68,037	8.0	55,777	8.1	35,333	8.0	6,042	6.0	273,559	7.9
Substance abuse	7,905	0.6	3,921	0.5	3,263	0.5	2,270	0.5	33	0.0	17,392	0.5
Other health risk	95,013	6.9	47,792	5.6	39,931	5.8	26,147	5.9	5,600	5.6	214,483	6.2
<i>Dietary</i>	795,555	57.5	523,145	61.4	440,855	64.1	284,724	64.7	68,732	68.3	2,113,011	61.0
Inadequate or inappropriate nutrient intake	738,357	53.3	504,066	59.2	427,352	62.1	276,288	62.8	68,371	68.0	2,014,434	58.1
Other dietary risk	91,025	6.6	32,889	3.9	21,375	3.1	12,529	2.8	425	0.4	158,243	4.6
<i>Other risk</i>	222,885	16.1	79,960	9.4	54,121	7.9	34,142	7.8	44,559	44.3	435,667	12.6
Regression	51,744	3.7	38,378	4.5	32,248	4.7	21,001	4.8	8,331	8.3	151,702	4.4
Transfer (nutrition risk unknown)	32,228	2.3	15,926	1.9	12,327	1.8	7,862	1.8	329	0.3	68,671	2.0
Breastfeeding mother and infant dyad	76,235	5.5	15,359	1.8	2,098	0.3	806	0.2	32,818	32.6	127,316	3.7
Infant of a WIC-eligible mother or mother at risk during pregnancy	61,130	4.4	6,003	0.7	3,204	0.5	1,709	0.4	3,762	3.7	75,808	2.2
Other nutritional risks	8,117	0.6	6,117	0.7	5,235	0.8	3,426	0.8	268	0.3	23,163	0.7
<i>No risk reported</i>	16,424	1.2	4,955	0.6	3,588	0.5	2,366	0.5	6,083	6.0	33,416	1.0

Notes

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

^a At certification, 40 percent of child WIC participants are one-year-old.

^b Federal WIC regulations permit State and local agencies to dispense with hematological testing for infants under six months of age, as well as for children who are found to be within normal ranges at their last certification. However, blood tests should be performed on such children at least once in every twelve-month period.

Number and Percent of American Indian and Alaskan Native WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by participant category														
<i>Participants in category</i>	12,045		5,501		5,655		23,201		27,071		66,645		116,916	
<i>Anthropometric</i>	6,879	57.1%	2,585	47.0%	2,846	50.3%	12,310	53.1%	7,647	28.2%	27,174	40.8%	47,131	40.3%
Low weight for height	759	6.3	139	2.5	181	3.2	1,079	4.7	893	3.3	2,064	3.1	4,036	3.5
High weight for height	3,743	31.1	2,148	39.1	2,017	35.7	7,909	34.1	2,949	10.9	15,114	22.7	25,971	22.2
Short stature	129	1.1	18	0.3	11	0.2	158	0.7	1,311	4.8	5,081	7.6	6,550	5.6
Inappropriate growth or weight gain pattern	3,491	29.0	406	7.4	1,007	17.8	4,905	21.1	1,509	5.6	6,487	9.7	12,900	11.0
Low birthweight or premature birth	0	0.0	0	0.0	0	0.0	0	0.0	1,701	6.3	253	0.4	1,954	1.7
Other anthropometric	67	0.6	25	0.5	6	0.1	98	0.4	903	3.3	1,705	2.6	2,706	2.3
<i>Biochemical</i>	2,256	18.7	978	17.8	1,608	28.4	4,842	20.9	1,602	5.9	11,424	17.1	17,868	15.3
Hematocrit or hemoglobin below State criteria	2,187	18.2	941	17.1	1,401	24.8	4,529	19.5	1,529	5.6	10,498	15.8	16,556	14.2
Other biochemical test results which indicate nutritional abnormality	70	0.6	40	0.7	215	3.8	325	1.4	75	0.3	945	1.4	1,345	1.2
<i>Clinical, Health, Medical</i>	8,444	70.1	3,338	60.7	3,636	64.3	15,418	66.5	5,781	21.4	22,772	34.2	43,971	37.6
Pregnancy-induced conditions	569	4.7	148	2.7	229	4.0	945	4.1	0	0.0	0	0.0	945	0.8
Delivery of low-birthweight or premature infant	456	3.7	188	3.4	198	3.5	842	3.6	0	0.0	0	0.0	842	0.7
Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death	780	6.5	151	2.8	258	4.6	1,189	5.1	0	0.0	0	0.0	1,189	1.0
General obstetrical risks	5,510	45.7	1,810	32.9	1,927	34.1	9,247	39.9	0	0.0	0	0.0	9,247	7.9
Nutrition-related risk conditions	730	6.1	321	5.8	362	6.4	1,413	6.1	2,768	10.2	17,659	26.5	21,840	18.7
Substance abuse	1,605	13.3	440	8.0	627	11.1	2,672	11.5	176	0.7	260	0.4	3,109	2.7
Other health risk	1,523	12.6	1,291	23.5	951	16.8	3,766	16.2	3,244	12.0	6,071	9.1	13,080	11.2
<i>Dietary</i>	4,675	38.8	1,832	33.3	2,085	36.9	8,592	37.0	3,691	13.6	35,914	53.9	48,197	41.2
Inadequate or inappropriate nutrient intake	4,485	37.2	1,767	32.1	1,933	34.2	8,185	35.3	2,917	10.8	33,937	50.9	45,038	38.5
Other dietary risk	241	2.0	87	1.6	156	2.8	484	2.1	887	3.3	3,667	5.5	5,039	4.3

Exhibit 5.12 (continued)

Number and Percent of American Indian and Alaskan Native WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
								Percent by participant category						
<i>Other risk</i>	80	0.7%	1,717	31.2%	210	3.7%	2,008	8.7%	19,214	71.0%	4,417	6.6%	25,639	21.9%
Regression	2	0.0	62	1.1	67	1.2	131	0.6	73	0.3	3,055	4.6	3,260	2.8
Transfer (nutrition risk unknown)	53	0.4	16	0.3	33	0.6	103	0.4	217	0.8	188	0.3	509	0.4
Breastfeeding mother and infant dyad	4	0.0	1,471	26.7	49	0.9	1,524	6.6	4,746	17.5	373	0.6	6,643	5.7
Infant of a WIC-eligible mother or mother at risk during pregnancy	12	0.1	196	3.6	40	0.7	248	1.1	16,490	60.9	475	0.7	17,213	14.7
Other nutritional risks	9	0.1	21	0.4	25	0.4	54	0.2	34	0.1	368	0.6	456	0.4
<i>No risk reported</i>	62	0.5	21	0.4	38	0.7	121	0.5	193	0.7	277	0.4	591	0.5

Notes

An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

This table reports information on persons having origins in any of the original peoples of North America, who maintain cultural identification through tribal affiliation or community recognition (includes Aleuts and Eskimos).

Exhibit 5.13

Number and Percent of Asian or Pacific Islander WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by participant category														
<i>Participants in category</i>	21,156		7,378		14,681		43,215		52,570		83,789		179,574	
<i>Anthropometric</i>	13,189	62.3%	2,608	35.3%	5,791	39.4%	21,588	50.0%	10,656	20.3%	32,058	38.3%	64,302	35.8%
Low weight for height	4,014	19.0	502	6.8	1,347	9.2	5,862	13.6	1,758	3.3	4,645	5.5	12,265	6.8
High weight for height	2,207	10.4	1,334	18.1	2,229	15.2	5,770	13.4	2,047	3.9	10,101	12.1	17,918	10.0
Short stature	2,435	11.5	329	4.5	1,640	11.2	4,404	10.2	2,793	5.3	11,433	13.6	18,631	10.4
Inappropriate growth or weight gain pattern	8,400	39.7	710	9.6	1,416	9.6	10,526	24.4	1,969	3.7	9,084	10.8	21,579	12.0
Low birthweight or premature birth	0	0.0	0	0.0	0	0.0	0	0.0	3,071	5.8	363	0.4	3,433	2.0
Other anthropometric	207	1.0	12	0.2	13	0.1	232	0.5	1,291	2.5	1,039	1.2	2,562	1.4
<i>Biochemical</i>	5,408	25.6	1,486	20.1	3,479	23.7	10,373	24.0	1,904	3.6	14,655	17.5	26,931	15.0
Hematocrit or hemoglobin below State criteria	5,336	25.2	1,410	19.1	3,393	23.1	10,139	23.5	1,866	3.5	14,075	16.8	26,079	14.5
Other biochemical test results which indicate nutritional abnormality	84	0.4	76	1.0	90	0.6	250	0.6	41	0.1	665	0.8	956	0.5
<i>Clinical, Health, Medical</i>	11,957	56.5	3,480	47.2	8,285	56.4	23,635	54.7	2,818	5.4	7,309	8.7	33,848	18.8
Pregnancy-induced conditions	366	1.7	114	1.5	205	1.4	685	1.6	0	0.0	0	0.0	685	0.4
Delivery of low-birthweight or premature infant	366	1.7	174	2.4	389	2.6	930	2.2	0	0.0	0	0.0	930	0.5
Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death	1,160	5.5	242	3.3	543	3.7	1,944	4.5	0	0.0	0	0.0	1,944	1.1
General obstetrical risks	9,462	44.7	2,329	31.6	4,494	30.6	16,285	37.7	0	0.0	0	0.0	16,285	9.1
Nutrition-related risk conditions	574	2.7	207	2.8	443	3.0	1,224	2.8	998	1.9	4,074	4.9	6,296	3.5
Substance abuse	510	2.4	174	2.4	527	3.6	1,210	2.8	27	0.1	123	0.1	1,360	0.8
Other health risk	1,416	6.7	968	13.1	3,108	21.2	5,492	12.7	1,824	3.5	3,266	3.9	10,581	5.9
<i>Dietary</i>	10,627	50.2	3,325	45.1	8,658	59.0	22,610	52.3	10,279	19.6	59,206	70.7	92,096	51.3
Inadequate or inappropriate nutrient intake	10,579	50.0	3,290	44.6	8,599	58.6	22,468	52.0	9,398	17.9	57,483	68.6	89,349	49.8
Other dietary risk	63	0.3	41	0.6	62	0.4	166	0.4	996	1.9	4,962	5.9	6,124	3.4

Exhibit 5.13 (continued)

Number and Percent of Asian or Pacific Islander WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by participant category													
<i>Other risk</i>	424	2.0	3,737	50.6	1,083	7.4	5,243	12.1	42,277	80.4	17,396	20.8	64,916	36.1
Regression	7	0.0	16	0.2	31	0.2	54	0.1	175	0.3	2,921	3.5	3,149	1.8
Transfer (nutrition risk unknown)	131	0.6	107	1.4	228	1.6	466	1.1	780	1.5	995	1.2	2,240	1.2
Breastfeeding mother and infant dyad	22	0.1	3,001	40.7	148	1.0	3,171	7.3	9,030	17.2	7,563	9.0	19,764	11.0
Infant of a WIC-eligible mother or mother at risk during pregnancy	2	0.0	284	3.8	82	0.6	368	0.9	32,408	61.6	1,492	1.8	34,268	19.1
Other nutritional risks	263	1.2	418	5.7	603	4.1	1,284	3.0	4,252	8.1	4,753	5.7	10,289	5.7
<i>No risk reported</i>	109	0.5	59	0.8	239	1.6	406	0.9	454	0.9	714	0.9	1,574	0.9

Notes

An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

This table reports information on persons having origins in any of the original peoples of the Far East, the Indian subcontinent, Southeast Asia, or the Pacific Islands. This area includes, for example, China, Japan, Korea, the Philippine Islands, and Samoa.

Exhibit 5.14
Number and Percent of Black (non-Hispanic) WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by participant category														
<i>Participants in category</i>	197,006		36,838		122,948		356,791		486,394		911,017		1,754,202	
<i>Anthropometric</i>	116,994	59.4%	16,042	43.5%	48,147	39.2%	181,183	50.8%	140,172	28.8%	350,603	38.5%	671,958	38.3%
Low weight for height	17,869	9.1	1,155	3.1	5,347	4.3	24,370	6.8	28,640	5.9	60,981	6.7	113,991	6.5
High weight for height	60,078	30.5	12,786	34.7	34,448	28.0	107,312	30.1	25,077	5.2	140,095	15.4	272,484	15.5
Short stature	1,397	0.7	135	0.4	324	0.3	1,856	0.5	48,145	9.9	94,616	10.4	144,617	8.2
Inappropriate growth or weight gain pattern	60,746	30.8	3,648	9.9	11,355	9.2	75,749	21.2	21,838	4.5	96,683	10.6	194,271	11.1
Low birthweight or premature birth	0	0.0	0	0.0	0	0.0	0	0.0	53,992	11.1	8,118	0.9	62,109	3.5
Other anthropometric	3,802	1.9	213	0.6	469	0.4	4,484	1.3	9,523	2.0	9,010	1.0	23,017	1.3
<i>Biochemical</i>	71,111	36.1	12,012	32.6	51,968	42.3	135,091	37.9	30,863	6.3	313,005	34.4	478,959	27.3
Hematocrit or hemoglobin below State criteria	69,000	35.0	11,482	31.2	48,734	39.6	129,217	36.2	30,232	6.2	293,973	32.3	453,422	25.8
Other biochemical test results which indicate nutritional abnormality	2,245	1.1	574	1.6	3,336	2.7	6,155	1.7	755	0.2	20,678	2.3	27,589	1.6
<i>Clinical, Health, Medical</i>	108,609	55.1	16,693	45.3	68,142	55.4	193,443	54.2	33,792	6.9	114,188	12.5	341,423	19.4
Pregnancy-induced conditions	6,154	3.1	1,123	3.0	2,964	2.4	10,241	2.9	0	0.0	0	0.0	10,241	0.6
Delivery of low-birthweight or premature infant	3,545	1.8	876	2.4	3,389	2.8	7,810	2.2	0	0.0	0	0.0	7,810	0.4
Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death	11,722	6.0	1,449	3.9	5,725	4.7	18,896	5.3	0	0.0	0	0.0	18,896	1.1
General obstetrical risks	78,127	38.6	10,490	28.5	40,354	32.8	126,971	35.6	0	0.0	0	0.0	126,971	7.2
Nutrition-related risk conditions	6,925	3.5	1,242	3.4	4,781	3.9	12,947	3.6	10,865	2.2	50,427	5.5	74,240	4.2
Substance abuse	14,608	7.4	1,385	3.8	6,439	5.2	22,432	6.3	3,934	0.8	5,924	0.7	32,290	1.8
Other health risk	11,078	5.6	3,713	10.1	17,766	14.4	32,556	9.1	19,912	4.1	62,928	6.9	115,396	6.6
<i>Dietary</i>	79,548	40.4	13,820	37.5	52,791	42.9	146,158	41.0	68,013	14.0	479,749	52.7	693,920	39.6
Inadequate or inappropriate nutrient intake	78,471	39.8	13,573	36.8	51,795	42.1	143,839	40.3	52,608	10.8	448,818	49.3	645,264	36.8
Other dietary risk	1,329	0.7	264	0.7	1,060	0.9	2,653	0.7	16,520	3.4	42,551	4.7	61,724	3.5

Exhibit 5.14 (continued)

Number and Percent of Black (non-Hispanic) WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by participant category													
<i>Other risk</i>	5,947	3.0	14,398	39.1	6,260	5.1	26,605	7.5	360,183	74.0	113,674	12.5	500,441	28.5
Regression	111	0.1	178	0.5	830	0.5	920	0.3	1,629	0.3	45,667	5.0	48,216	2.7
Transfer (nutrition risk unknown)	5,625	2.9	519	1.4	4,583	3.7	10,727	3.0	22,307	4.6	34,500	3.8	67,535	3.8
Breastfeeding mother and infant dyad	183	0.1	13,621	37.0	730	0.6	14,533	4.1	43,089	8.9	8,090	0.9	65,711	3.7
Infant of a WIC-eligible mother or mother at risk during pregnancy	7	0.0	460	1.2	255	0.2	722	0.2	332,051	68.3	23,739	2.6	356,513	20.3
Other nutritional risks	23	0.0	73	0.2	78	0.1	174	0.0	1,250	0.3	4,960	0.5	6,384	0.4
<i>No risk reported</i>	3,355	1.7	568	1.5	1,752	1.4	5,675	1.6	5,286	1.1	9,497	1.0	20,458	1.2

Notes

An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

This table reports information on persons having origins in any of the black racial groups of Africa.

Exhibit 5.15
Number and Percent of Hispanic WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by participant category														
<i>Participants in category</i>	228,286		99,209		117,855		445,350		517,398		839,702		1,802,450	
<i>Anthropometric</i>	140,698	61.6%	45,839	46.2%	45,980	39.0%	232,517	52.2%	97,300	18.8%	302,112	36.0%	631,929	35.1%
Low weight for height	12,522	5.5	2,127	2.1	2,738	2.3	17,386	3.9	15,661	3.0	36,993	4.4	70,040	3.9
High weight for height	64,350	28.2	32,980	33.2	31,424	26.7	128,754	28.9	17,762	3.4	150,823	18.0	297,339	16.5
Short stature	14,652	6.4	7,130	7.2	5,584	4.7	27,366	6.1	19,045	3.7	66,279	7.9	112,690	6.3
Inappropriate growth or weight gain pattern	72,612	31.8	7,529	7.6	10,563	9.0	90,704	20.4	15,294	3.0	69,437	8.3	175,435	9.7
Low birthweight or premature birth	0	0.0	0	0.0	0	0.0	0	0.0	30,412	5.9	1,332	0.2	31,745	1.8
Other anthropometric	10,839	4.7	1,750	1.8	153	0.1	12,742	2.9	18,919	3.7	7,887	0.9	39,547	2.2
<i>Biochemical</i>	63,628	27.9	20,766	20.9	32,357	27.5	116,751	26.2	20,149	3.9	234,068	27.9	370,967	20.6
Hematocrit or hemoglobin below State criteria	63,511	27.8	20,675	20.8	32,302	27.4	116,488	26.2	20,017	3.9	232,172	27.6	368,677	20.5
Other biochemical test results which indicate nutritional abnormality	178	0.1	113	0.1	77	0.1	368	0.1	176	0.0	2,501	0.3	3,045	0.2
<i>Clinical, Health, Medical</i>	133,482	58.5	53,573	54.0	87,404	67.2	254,459	57.1	56,061	10.8	94,004	11.2	404,524	22.4
Pregnancy-induced conditions	6,595	2.9	1,527	1.5	1,150	1.0	9,272	2.1	0	0.0	0	0.0	9,272	0.5
Delivery of low-birthweight or premature infant	2,401	1.1	1,560	1.6	2,107	1.8	6,068	1.4	0	0.0	0	0.0	6,068	0.3
Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death	15,043	6.6	3,822	3.9	4,621	3.8	23,387	5.3	0	0.0	0	0.0	23,387	1.3
General obstetrical risks	91,801	40.2	30,484	30.7	28,190	23.9	150,475	33.8	0	0.0	0	0.0	150,475	8.3
Nutrition-related risk conditions	7,094	3.1	2,008	2.0	2,536	2.2	11,638	2.6	18,445	3.6	59,738	7.1	89,821	5.0
Substance abuse	7,542	3.3	2,058	2.1	3,501	3.0	13,101	2.9	650	0.1	1,057	0.1	14,807	0.8
Other health risk	30,517	13.4	23,926	24.1	37,606	31.9	92,049	20.7	37,523	7.3	35,543	4.2	165,116	9.2
<i>Dietary</i>	113,822	49.9	42,494	42.8	73,011	62.0	229,327	51.5	85,371	16.5	564,074	67.2	878,772	48.8
Inadequate or inappropriate nutrient intake	112,884	49.4	42,137	42.5	72,401	61.4	227,423	51.1	81,067	15.7	553,837	66.0	862,327	47.8
Other dietary risk	1,162	0.5	392	0.4	670	0.6	2,224	0.5	5,279	1.0	26,363	3.1	33,866	1.9

Exhibit 5.15 (continued)

Number and Percent of Hispanic WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by participant category													
<i>Other risk</i>	1,983	0.9	48,625	49.0	8,274	7.0	58,882	13.2	421,105	81.4	116,007	13.8	595,994	33.1
Regression	56	0.0	137	0.1	338	0.3	531	0.1	774	0.1	29,468	3.5	30,773	1.7
Transfer (nutrition risk unknown)	1,643	0.7	1,107	1.1	1,992	1.7	4,742	1.1	6,690	1.3	7,608	0.9	19,040	1.1
Breastfeeding mother and infant dyad	231	0.1	46,000	46.4	2,007	1.7	48,238	10.8	135,877	26.3	64,765	7.7	248,881	13.8
Infant of a WIC-eligible mother or mother at risk during pregnancy	26	0.0	2,095	2.1	893	0.8	3,014	0.7	372,916	72.1	13,591	1.6	389,520	21.6
Other nutritional risks	34	0.0	83	0.1	3,094	2.6	3,211	0.7	1,280	0.2	4,042	0.5	8,533	0.5
<i>No risk reported</i>	2,655	1.2	600	0.6	2,756	2.3	6,011	1.3	4,909	0.9	7,616	0.9	18,535	1.0

Notes

An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

This table reports information on persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin regardless of race.

Number and Percent of White (non-Hispanic) WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by participant category														
<i>Participants in category</i>	360,454		120,931		227,295		708,680		754,892		1,482,994		2,946,566	
<i>Anthropometric</i>	198,644	55.1%	47,744	39.5%	89,365	39.3%	335,753	47.4%	192,655	25.5%	539,914	36.4%	1,068,322	36.3%
Low weight for height	41,366	11.5	5,760	4.8	12,680	5.6	59,807	8.4	29,004	3.8	76,504	5.2	165,315	5.6
High weight for height	85,594	23.7	32,397	26.8	58,804	25.9	176,795	24.9	44,438	5.9	191,322	12.9	412,556	14.0
Short stature	1,800	0.5	389	0.3	310	0.1	2,498	0.4	50,374	6.7	157,869	10.6	210,742	7.2
Inappropriate growth or weight gain pattern	93,427	25.9	13,023	10.8	23,007	10.1	129,456	18.3	43,853	5.8	170,369	11.5	343,678	11.7
Low birthweight or premature birth	0	0.0	0	0.0	0	0.0	0	0.0	60,157	8.0	10,087	0.7	70,244	2.4
Other anthropometric	11,106	3.1	830	0.7	2,597	1.1	14,533	2.1	14,696	1.9	19,352	1.3	48,580	1.6
<i>Biochemical</i>	57,247	15.9	19,476	16.1	56,862	25.0	133,585	18.8	37,917	5.0	281,204	19.0	452,707	15.4
Hematocrit or hemoglobin below State criteria	56,070	15.6	18,511	15.3	54,335	23.9	128,916	18.2	37,281	4.9	267,847	18.1	434,044	14.7
Other biochemical test results which indicate nutritional abnormality	1,270	0.4	1,007	0.8	2,616	1.2	4,893	0.7	670	0.1	13,860	0.9	19,423	0.7
<i>Clinical, Health, Medical</i>	225,520	62.6	59,572	49.3	130,164	57.3	415,256	58.6	65,631	8.7	234,907	15.8	715,794	24.3
Pregnancy-induced conditions	17,965	5.0	3,784	3.1	7,187	3.2	28,935	4.1	0	0.0	0	0.0	28,935	1.0
Delivery of low-birthweight or premature infant	7,248	2.0	2,473	2.0	6,872	3.0	16,593	2.3	0	0.0	0	0.0	16,593	0.6
Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death	20,528	5.7	5,242	4.3	14,181	6.2	39,950	5.6	0	0.0	0	0.0	39,950	1.4
General obstetrical risks	128,157	35.6	32,566	26.9	62,381	27.4	223,105	31.5	0	0.0	0	0.0	223,105	7.6
Nutrition-related risk conditions	15,748	4.4	5,683	4.7	11,764	5.2	33,195	4.7	29,099	3.9	135,729	9.2	198,023	6.7
Substance abuse	73,154	20.3	11,983	9.9	26,547	11.7	111,684	15.8	5,493	0.7	9,962	0.7	127,139	4.3
Other health risk	26,648	7.4	13,076	10.8	32,086	14.1	71,811	10.1	33,561	4.4	101,544	6.8	206,916	7.0
<i>Dietary</i>	167,676	46.5	49,280	40.8	110,957	48.8	327,913	46.3	115,045	15.2	906,287	61.1	1,349,246	45.8
Inadequate or inappropriate nutrient intake	163,745	45.4	47,359	39.2	107,843	47.4	318,947	45.0	81,357	10.8	852,736	57.5	1,253,039	42.5
Other dietary risk	4,347	1.2	2,103	1.7	3,268	1.4	9,718	1.4	36,650	4.9	80,315	5.4	126,683	4.3

Exhibit 5.16 (continued)

Number and Percent of White (non-Hispanic) WIC Participants with Specific Nutritional Risks Reported by Participant Category

Risk	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by participant category													
<i>Other risk</i>	7,377	2.0	48,486	40.1	11,244	4.9	67,107	9.5	566,505	75.0	147,042	9.9	780,654	26.5
Regression	216	0.1	571	0.5	1,102	0.5	1,888	0.3	2,462	0.3	66,400	4.5	70,751	2.4
Transfer (nutrition risk unknown)	6,352	1.8	1,563	1.3	4,838	2.1	12,752	1.8	23,869	3.2	25,127	1.7	61,749	2.1
Breastfeeding mother and infant dyad	496	0.1	42,750	35.4	2,493	1.1	45,739	6.5	119,651	15.9	14,423	1.0	179,813	6.1
Infant of a WIC-eligible mother or mother at risk during pregnancy	50	0.0	5,390	4.5	1,744	0.8	7,184	1.0	487,964	64.6	36,236	2.4	531,385	18.0
Other nutritional risks	274	0.1	702	0.6	1,171	0.5	2,147	0.3	3,208	0.4	8,510	0.6	13,865	0.5
<i>No risk reported</i>	4,986	1.4	1,549	1.3	2,813	1.2	9,349	1.3	7,784	1.0	13,378	0.9	30,511	1.0

Notes

An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

In 1994 State WIC agencies could report up to three nutritional risks for each participant. This table examine all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

This table reports information on persons having origins in any of the original peoples of Europe, North Africa, or the Middle East.

Exhibit 5.17

Nutritional Risks Reported in at Least 15 Percent of WIC Participants 1990, 1992, 1994

Participant Category and Type of Risk	1990	1992 Percent by category	1994
Pregnant women			
General obstetrical risks	24%	40.0%	38.0%
Hematocrit or hemoglobin below State criteria	20	25.0	24.0
Prepregnancy high weight for height	19	24.0	26.0
Inadequate or inappropriate nutrient intake	26	42.0	45.0
Inappropriate growth or weight gain pattern	-	29.0	29.0
Breastfeeding women			
Breastfeeding mother and infant dyad	-	39.0	40.0
General obstetrical risks	22*	28.0	29.0
Hematocrit or hemoglobin below State criteria	21*	19.0	20.0
High weight for height	-	28.0	30.0
Inadequate or inappropriate nutrient intake	21*	38.0	40.0
Other health risk	-	16.0	16.0
Postpartum women			
General obstetrical risks	22*	32.0	28.0
Hematocrit or hemoglobin below State criteria	21*	30.0	29.0
High weight for height	-	23.0	26.0
Inadequate or inappropriate nutrient intake	21*	43.0	50.0
Other health risk	-	18.0	19.0
Infants			
Breastfeeding mother and infant dyad	-	-	17.0
Infant of a WIC-eligible mother or mother at risk during pregnancy	36	64.0	67.0
Children			
Hematocrit or hemoglobin below State criteria	20	26.0	24.0
High weight for height	-	15.0	15.0
Inadequate or inappropriate nutrient intake	39	49.0	58.0

Notes

A dash indicates that, for the year in question, this risk occurred in less than 15 percent of WIC participants in the certification category. Caution must be exercised in comparing across years because of variation in sample sizes and methods of data collection. In 1992, and 1994, each State WIC agency reported up to three risks, recorded for each participant, on its automated client information system. In 1990, field data collectors abstracted up to three nutritional risks, for each participant in the sample, from case files maintained at local WIC service sites.

*In 1990, breastfeeding women and postpartum women were combined.

Exhibit 5.18

Nutritional Risks Reported in at Least 15 Percent of American Indian and Alaskan Native WIC Participants by Participant Category

Participant Category and Type of Risk	Percent
Pregnant women	12,045
General obstetrical risks	46.0%
Hematocrit or hemoglobin below State criteria	18.0
Prepregnancy high weight for height	31.0
Inadequate or inappropriate nutrient intake	37.0
Inappropriate growth or weight gain pattern	29.0
Breastfeeding women	5,501
Breastfeeding mother and infant dyad	27.0%
General obstetrical risks	33.0
Hematocrit or hemoglobin below State criteria	17.0
High weight for height	39.0
Inadequate or inappropriate nutrient intake	32.0
Other health risk	23.0
Postpartum women	5,655
General obstetrical risks	34.0%
Hematocrit or hemoglobin below State criteria	25.0
High weight for height	36.0
Inadequate or inappropriate nutrient intake	34.0
Inappropriate growth or weight gain pattern	18.0
Other health risk	17.0
Infants	27,071
Breastfeeding mother and infant dyad	18.0%
Infant of a WIC-eligible mother or mother at risk during pregnancy	61.0
Children	66,645
Hematocrit or hemoglobin below State criteria	16.0%
High weight for height	23.0
Inadequate or inappropriate nutrient intake	51.0
Nutrition-related risk conditions	26.0
Total	116,916

Notes

These figures represent 15 percent or more of all WIC participants in the participant category in this racial or ethnic group.

American Indians and Alaskan Natives include persons having origins in any of the original peoples of North America, who maintain cultural identification through tribal affiliation or community recognition (includes Aleuts and Eskimos).

Exhibit 5.19

Nutritional Risks Reported in at Least 15 Percent of Asian and Pacific Islander WIC Participants by Participant Category

Participant Category and Type of Risk	Percent
<i>Pregnant women</i>	21,156
General obstetrical risks	45.0%
Hematocrit or hemoglobin below State criteria	25.0
Inadequate or inappropriate nutrient intake	50.0
Inappropriate growth or weight gain pattern	40.0
Prepregnancy low weight for height	19.0
<i>Breastfeeding women</i>	7,378
Breastfeeding mother and infant dyad	41.0%
General obstetrical risks	32.0
Hematocrit or hemoglobin below State criteria	19.0
High weight for height	18.0
Inadequate or inappropriate nutrient intake	45.0
<i>Postpartum women</i>	14,681
General obstetrical risks	31.0%
Hematocrit or hemoglobin below State criteria	23.0
High weight for height	15.0
Inadequate or inappropriate nutrient intake	59.0
Other health risk	21.0
<i>Infants</i>	52,570
Breastfeeding mother and infant dyad	17.0%
Inadequate or inappropriate nutrient intake	18.0
Infant of a WIC-eligible mother or mother at risk during pregnancy	62.0
<i>Children</i>	83,789
Hematocrit or hemoglobin below State criteria	17.0%
Inadequate or inappropriate nutrient intake	69.0
<i>Total</i>	179,574

Note

These figures represent 15 percent or more of all WIC participants in the participant category in this racial or ethnic group.

This table reports information on persons having origins in any of the original peoples of the Far East, the Indian subcontinent, Southeast Asia, or the Pacific Islands. This area includes, for example, China, Japan, Korea, the Philippine Islands, and Samoa.

Exhibit 5.20

Nutritional Risks Reported in at Least 15 Percent of Black (non-Hispanic) WIC Participants by Participant Category

Participant Category and Type of Risk	Percent
<i>Pregnant women</i>	197,006
General obstetrical risks	39.0%
Hematocrit or hemoglobin below State criteria	35.0
Prepregnancy high weight for height	30.0
Inadequate or inappropriate nutrient intake	40.0
Inappropriate growth or weight gain pattern	31.0
<i>Breastfeeding women</i>	36,838
Breastfeeding mother and infant dyad	37.0%
General obstetrical risks	28.0
Hematocrit or hemoglobin below State criteria	31.0
High weight for height	35.0
Inadequate or inappropriate nutrient intake	37.0
<i>Postpartum women</i>	122,948
General obstetrical risks	33.0%
Hematocrit or hemoglobin below State criteria	40.0
High weight for height	28.0
Inadequate or inappropriate nutrient intake	42.0
<i>Infants</i>	486,394
Infant of a WIC-eligible mother or mother at risk during pregnancy	68.0%
<i>Children</i>	911,017
Hematocrit or hemoglobin below State criteria	32.0%
High weight for height	15.0
Inadequate or inappropriate nutrient intake	49.0
<i>Total</i>	1,754,202

Note

These figures represent 15 percent or more of all WIC participants in the participant category in this racial or ethnic group.

This table reports information on persons having origins in any of the black racial groups of Africa.

Exhibit 5.21

Nutritional Risks Reported in at Least 15 Percent of Hispanic WIC Participants by Participant Category

Participant Category and Type of Risk	Percent
<i>Pregnant women</i>	228,286
General obstetrical risks	40.0%
Hematocrit or hemoglobin below State criteria	28.0
Prepregnancy high weight for height	28.0
Inadequate or inappropriate nutrient intake	49.0
Inappropriate growth or weight gain pattern	32.0
<i>Breastfeeding women</i>	99,209
Breastfeeding mother and infant dyad	46.0%
General obstetrical risks	31.0
Hematocrit or hemoglobin below State criteria	21.0
High weight for height	33.0
Inadequate or inappropriate nutrient intake	42.0
Other health risk	24.0
<i>Postpartum women</i>	117,855
General obstetrical risks	24.0%
Hematocrit or hemoglobin below State criteria	27.0
High weight for height	27.0
Inadequate or inappropriate nutrient intake	61.0
Other health risk	32.0
<i>Infants</i>	517,398
Breastfeeding mother and infant dyad	26.0%
Inadequate or inappropriate nutrient intake	16.0
Infant of a WIC-eligible mother or mother at risk during pregnancy	72.0
<i>Children</i>	839,702
Hematocrit or hemoglobin below State criteria	28.0%
High weight for height	18.0
Inadequate or inappropriate nutrient intake	66.0
<i>Total</i>	1,802,450

Note

These figures represent 15 percent or more of all WIC participants in the participant category in this racial or ethnic group.

This table reports information on persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin regardless of race.

Exhibit 5.22

Nutritional Risks Reported in at Least 15 Percent of White (non-Hispanic) WIC Participants by Participant Category

Participant Category and Type of Risk	Percent
<i>Pregnant women</i>	360,454
General obstetrical risks	36.0%
Hematocrit or hemoglobin below State criteria	16.0
Prepregnancy high weight for height	24.0
Inadequate or inappropriate nutrient intake	45.0
Inappropriate growth or weight gain pattern	26.0
Substance abuse	20.0
<i>Breastfeeding women</i>	120,931
Breastfeeding mother and infant dyad	35.0%
General obstetrical risks	27.0
Hematocrit or hemoglobin below State criteria	15.0
High weight for height	27.0
Inadequate or inappropriate nutrient intake	39.0
<i>Postpartum women</i>	227,295
General obstetrical risks	27.0%
Hematocrit or hemoglobin below State criteria	24.0
High weight for height	26.0
Inadequate or inappropriate nutrient intake	47.0
<i>Infants</i>	754,892
Breastfeeding mother and infant dyad	16.0%
Infant of a WIC-eligible mother or mother at risk during pregnancy	65.0
<i>Children</i>	1,482,994
Hematocrit or hemoglobin below State criteria	18.0%
Inadequate or inappropriate nutrient intake	58.0
<i>Total</i>	2,946,566

Note

These figures represent 15 percent or more of all WIC participants in the participant category in this racial or ethnic group.

This table reports information on persons having origins in any of the original peoples of Europe, North Africa, or the Middle East.

Exhibit 5.23

Nutritional Risks Reported in at Least 15 Percent of Pregnant WIC Participants by Age at Certification

Age at Certification and Type of Risk	Percent
<i>Under 15 years</i>	8,634
General obstetrical risks	85.0%
Hematocrit or hemoglobin below State criteria	29.0
Inadequate or inappropriate nutrient intake	41.0
Inappropriate growth or weight gain pattern	25.0
<i>15 - 17 years</i>	91,868
General obstetrical risks	82.0%
Hematocrit or hemoglobin below State criteria	26.0
Inadequate or inappropriate nutrient intake	40.0
Inappropriate growth or weight gain pattern	26.0
<i>18 - 34 years</i>	673,276
General obstetrical risks	30.0%
Hematocrit or hemoglobin below State criteria	24.0
High weight for height	28.0
Inadequate or inappropriate nutrient intake	47.0
Inappropriate growth or weight gain pattern	30.0
<i>35 or more years</i>	41,204
General obstetrical risks	62.0%
Hematocrit or hemoglobin below State criteria	25.0
High weight for height	35.0
Inadequate or inappropriate nutrient intake	33.0
Inappropriate growth or weight gain pattern	27.0
<i>Not reported</i>	8,623
<i>Total Pregnant Women</i>	823,605

Note

These figures represent 15 percent or more of all pregnant WIC participants in each age group.

Nutrition and Poverty Status

Exhibits 5.24 through 5.30 present distributions of nutritional risks by percent of poverty. Women at lower income levels report higher levels of obstetrical risk; the assignment of dietary risk increases with income. The most visible patterns among infants and children include increased reporting of dietary and nutrition-related risks as income rises and decreased reporting of anthropometric risks as income increases. While most (98.9 percent) of WIC enrollees have at least one nutritional risk reported, it must be noted again that income data are available for only 83.6 percent of individuals enrolled in the WIC Program in April 1994.

Number and Percent of Women WIC Participants with Specific Nutritional Risks Reported At Certification by Percent of Poverty

Type of Risk and Specific Risk	Level of Poverty															
	0%		1% to 100%		101% to 130%		131% to 185%		186% and over		Income Reported as Zero ^a		Not Reported ^b		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by level of poverty															
Participants in category	8,919		959,958		174,415		165,071		11,482		50,466		220,452		1,590,762	
Anthropometric	3,798	42.5	473,803	49.4	85,153	48.8	81,314	49.3	5,459	47.5	24,326	48.2	113,955	51.7	787,807	49.5
Low weight for height	676	7.6	66,566	6.9	11,175	6.4	10,980	6.7	894	7.8	4,348	8.6	14,370	6.5	109,008	6.9
High weight for height	1,630	18.3	258,069	26.9	47,059	27.0	44,306	26.8	2,658	23.2	12,110	24.0	62,836	28.5	428,668	26.9
Short stature	71	0.8	24,009	2.5	3,335	1.9	2,175	1.3	106	0.9	1,781	3.5	5,119	2.3	36,597	2.3
Inappropriate growth or weight gain pattern	1,827	20.5	185,290	19.3	33,777	19.4	33,099	20.1	2,094	18.2	8,587	17.0	49,472	22.4	314,145	19.7
Other anthropometric	135	1.5	17,941	1.9	3,006	1.7	3,284	2.0	371	3.2	1,253	2.5	6,152	2.8	32,141	2.0
Biochemical	2,001	22.4	248,005	25.8	37,968	21.8	34,459	20.9	2,367	20.6	9,728	19.3	69,009	31.3	403,536	25.4
Hematocrit or hemoglobin below State standard	1,980	22.2	240,193	25.0	36,607	21.0	33,275	20.2	2,222	19.4	9,380	18.6	68,518	31.1	392,175	24.7
Other biochemical test results which indicate nutritional abnormality	26	0.3	8,162	0.9	1,413	0.8	1,226	0.7	150	1.3	351	0.7	685	0.3	12,013	0.8
Clinical, Health, Medical	5,320	59.6	577,018	60.1	96,345	55.2	87,438	53.0	6,253	54.5	29,987	59.4	115,574	52.4	917,936	57.7
Pregnancy-induced conditions	193	2.2	29,847	3.1	6,159	3.5	6,087	3.7	379	3.3	1,022	2.0	6,712	3.0	50,399	3.2
Delivery of low-birthweight or premature infant	276	3.1	26,040	2.7	4,687	2.7	4,580	2.8	343	3.0	882	1.7	4,268	1.9	41,076	2.6
Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death	371	4.2	54,723	5.7	9,598	5.5	9,407	5.7	625	5.4	2,000	4.0	9,253	4.2	85,977	5.4
General obstetrical risks	3,327	37.3	332,254	34.6	50,723	29.1	44,073	26.7	3,264	28.4	20,817	41.2	75,474	34.2	529,933	33.3
Nutrition-related risk conditions	396	4.4	38,918	4.1	7,443	4.3	7,330	4.4	518	4.5	1,506	3.0	4,597	2.1	60,708	3.8
Substance abuse	1,232	13.8	96,602	10.1	15,840	9.1	15,385	9.3	1,458	12.7	4,758	9.4	16,609	7.5	151,884	9.5
Other health risk	909	10.2	135,738	14.1	23,517	13.5	20,040	12.1	1,097	9.6	6,071	12.0	20,850	9.5	208,223	13.1
Dietary	3,604	40.4	438,998	45.7	85,392	49.0	83,472	50.6	6,080	53.0	21,157	41.9	102,839	46.6	741,541	46.6
Inadequate or inappropriate nutrient intake	3,572	40.0	430,872	44.9	83,049	47.6	81,068	49.1	5,852	51.0	21,063	41.7	102,318	46.4	727,794	45.8
Other dietary risk	39	0.4	8,965	0.9	2,575	1.5	2,647	1.6	247	2.2	151	0.3	636	0.3	15,260	1.0
Other Risk	604	6.8	95,730	10.0	19,843	11.4	17,518	10.6	834	7.3	5,715	11.3	23,710	10.8	163,954	10.3
Regression	51	0.6	2,419	0.3	416	0.2	355	0.2	31	0.3	11	0.0	248	0.1	3,530	0.2
Transfer (nutrition risk unknown)	105	1.2	14,373	1.5	3,299	1.9	3,253	2.0	262	2.3	1,620	3.2	6,064	2.8	28,978	1.8
Breastfeeding mother and infant dyad	301	3.4	70,330	7.3	14,172	8.1	12,334	7.5	471	4.1	3,529	7.0	15,699	7.1	116,836	7.3
Infant of a WIC-eligible mother or mother at risk during pregnancy	187	2.1	7,047	0.7	1,941	1.1	1,368	0.8	56	0.5	135	0.3	951	0.4	11,684	0.7
Other risk	23	0.3	3,882	0.4	782	0.4	817	0.5	29	0.3	443	0.9	1,035	0.5	7,010	0.4
No risk reported	129	1.4	12,767	1.3	2,230	1.3	2,009	1.2	142	1.2	1,962	3.9	2,601	1.2	21,840	1.4

Notes

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

^aZero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

^bNot reported includes the number and percent of participants for whom no data on income, income period, or size of economic unit are reported.

Exhibit 5.25

Number and Percent of Infant WIC Participants with Specific Nutritional Risks Reported At Certification by Percent of Poverty

Type of Risk and Specific Risk	Level of Poverty																Total WIC	
	0%		1% to 100%		101% to 130%		131% to 185%		186% and over		Income Reported as Zero*		Not Reported*					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
	Percent by level of poverty																	
Participants in category	12,180		1,168,403		171,868		134,952		7,846		61,749		295,456		1,852,455			
Anthropometric	4,316	35.4	288,061	24.7	41,161	23.9	34,598	25.6	1,966	25.1	13,731	22.2	67,976	23.0	451,809	24.4		
Low weight for height	878	7.2	45,513	3.9	5,903	3.4	4,894	3.6	379	4.8	2,650	4.3	16,518	5.6	76,735	4.1		
High weight for height	1,064	8.7	58,418	5.0	9,996	5.8	8,901	6.6	492	6.3	2,713	4.4	11,582	3.9	93,167	5.0		
Short stature	801	6.6	78,706	6.7	9,134	5.3	7,941	5.9	453	5.8	4,226	6.8	21,267	7.2	122,528	6.6		
Inappropriate growth or weight gain pattern	303	2.5	53,327	4.6	8,736	5.1	7,789	5.8	287	3.7	1,275	2.1	13,483	4.6	85,200	4.6		
Low birthweight or premature birth	1,008	8.3	96,051	8.2	12,505	7.3	10,361	7.7	700	8.9	4,861	7.9	24,747	8.4	150,233	8.1		
Other anthropometric	1,499	12.3	33,095	2.8	4,308	2.5	3,000	2.2	159	2.0	1,295	2.1	2,216	0.8	45,572	2.5		
Biochemical	777	6.4	58,543	5.0	9,170	5.3	7,969	5.9	487	6.2	2,011	3.3	14,423	4.9	93,380	5.0		
Hematocrit or hemoglobin below State standard	776	6.4	57,639	4.9	8,987	5.2	7,795	5.8	470	6.0	1,977	3.2	14,197	4.8	91,841	5.0		
Other biochemical test results which indicate nutritional abnormality	1	0.0	1,011	0.1	195	0.1	181	0.1	18	0.2	34	0.1	310	0.1	1,750	0.1		
Clinical, Health, Medical	507	4.2	105,243	9.0	15,615	9.1	13,702	10.2	754	9.6	5,809	9.4	23,420	7.9	165,052	8.9		
Nutrition-related risk conditions	203	1.7	39,640	3.4	6,199	3.6	5,327	3.9	259	3.3	1,618	2.6	9,442	3.2	62,687	3.4		
Substance abuse	25	0.2	5,848	0.5	804	0.5	631	0.5	44	0.6	659	1.1	2,309	0.8	10,320	0.6		
Other health risk	374	3.1	62,744	5.4	9,040	5.3	8,096	6.0	469	6.0	3,618	5.9	12,169	4.1	96,510	5.2		
Dietary	645	5.3	178,568	15.3	27,181	15.8	24,292	18.0	1,615	20.6	7,822	12.7	44,542	15.1	284,664	15.4		
Inadequate or inappropriate nutrient intake	441	3.6	143,931	12.3	21,264	12.4	17,671	13.1	1,087	13.9	6,631	10.7	38,011	12.9	229,037	12.4		
Other dietary risk	209	1.7	37,998	3.3	6,555	3.8	7,198	5.3	582	7.4	1,279	2.1	7,127	2.4	60,948	3.3		
Other Risk	8,723	71.6	906,858	77.6	129,983	75.6	94,462	70.0	5,691	72.5	50,161	81.2	222,811	75.4	1,418,688	76.6		
Regression	7	0.1	3,497	0.3	586	0.3	508	0.4	51	0.6	50	0.1	443	0.1	5,141	0.3		
Transfer (nutrition risk unknown)	233	1.9	26,062	2.2	4,750	2.8	3,261	2.4	199	2.5	3,326	5.4	16,493	5.6	54,324	2.9		
Breastfeeding mother and infant dyad	601	4.9	196,428	16.8	32,396	18.8	23,279	17.2	1,039	13.2	10,797	17.5	51,711	17.5	316,249	17.1		
Infant of a WIC-eligible mother or mother at risk during pregnancy	8,297	68.1	816,945	69.9	112,192	65.3	79,731	59.1	5,013	63.9	43,802	70.9	181,276	61.4	1,247,257	67.3		
Other risk	62	0.5	6,750	0.6	1,571	0.9	1,611	1.2	56	0.7	133	0.2	353	0.1	10,536	0.6		
No risk reported	37	0.3	11,800	1.0	1,517	0.9	960	0.7	48	0.6	1,226	2.0	3,138	1.1	18,726	1.0		

Notes

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

*Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

*Not reported includes the number and percent. † participants for whom no data on income, income period, or size of economic unit are reported.

An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

Exhibit 5.26

Number and Percent of Child WIC Participants with Specific Nutritional Risks Reported At Certification by Percent of Poverty

Type of Risk and Specific Risk	Level of Poverty															
	0%		1% to 100%		101% to 130%		131% to 185%		186% and over		Income Reported as Zero ^a		Not Reported ^b		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by level of poverty															
Participants in category	16,129		2,267,913		347,991		308,804		15,166		68,085		440,538		3,464,632	
Anthropometric	6,758	41.9	840,502	37.1	124,666	35.8	109,617	35.5	5,505	36.3	26,844	39.4	143,270	32.5	1,257,162	36.3
Low weight for height	863	5.4	117,292	5.2	18,105	5.2	16,218	5.3	910	6.0	5,481	8.1	23,133	5.3	182,002	5.3
High weight for height	2,913	18.1	337,005	14.9	47,851	13.8	41,048	13.3	2,195	14.5	12,243	18.0	66,567	15.1	509,822	14.7
Short stature	1,599	9.9	224,079	9.9	30,228	8.7	27,138	8.8	1,616	10.7	8,352	12.3	43,710	9.9	336,723	9.7
Inappropriate growth or weight gain pattern	2,092	13.0	244,732	10.8	39,411	11.3	34,835	11.3	1,224	8.1	3,526	5.2	27,443	6.2	353,263	10.2
Low birthweight or premature birth	119	0.7	13,620	0.6	2,060	0.6	1,999	0.6	213	1.4	442	0.6	1,920	0.4	20,373	0.6
Other anthropometric	634	3.9	28,071	1.2	4,796	1.4	4,456	1.4	132	0.9	234	0.3	711	0.2	39,034	1.1
Biochemical	3,773	23.4	578,332	25.5	78,123	22.4	65,327	21.2	3,560	23.5	20,330	29.9	114,133	25.9	863,577	24.9
Hematocrit or hemoglobin below State standard	3,702	23.0	552,736	24.4	73,872	21.2	61,840	20.0	3,423	22.6	19,948	29.3	112,132	25.5	827,652	23.9
Other biochemical test results which indicate nutritional abnormality	76	0.5	27,441	1.2	4,422	1.3	3,609	1.2	140	0.9	383	0.6	2,758	0.6	38,829	1.1
Clinical, Health, Medical	1,965	12.2	312,938	13.8	48,598	14.0	45,040	14.6	2,803	18.5	6,281	9.2	66,212	15.0	483,836	14.0
Nutrition-related risk conditions	770	4.8	175,105	7.7	26,985	7.8	24,875	8.1	1,314	8.7	4,565	6.7	39,945	9.1	273,559	7.9
Substance abuse	25	0.2	12,145	0.5	1,852	0.5	1,563	0.5	180	1.2	181	0.3	1,446	0.3	17,392	0.5
Other health risk	1,471	9.1	140,093	6.2	21,866	6.3	20,364	6.6	1,431	9.4	1,616	2.4	27,641	6.3	214,483	6.2
Dietary	5,887	36.5	1,365,854	60.2	214,849	61.7	192,205	62.2	9,353	61.7	31,231	45.9	293,632	66.7	2,113,011	61.0
Inadequate or inappropriate nutrient intake	3,860	23.9	1,301,931	57.4	202,623	58.2	180,597	58.5	8,827	58.2	30,121	44.2	286,475	65.0	2,014,434	58.1
Other dietary risk	2,231	13.8	104,849	4.6	18,585	5.3	17,684	5.7	799	5.3	1,635	2.4	12,460	2.8	158,243	4.6
Other Risk	2,907	18.0	283,691	12.5	40,686	11.7	32,408	10.5	1,840	12.1	9,736	14.3	64,399	14.6	435,667	12.6
Regression	1,548	9.6	104,981	4.6	16,131	4.6	13,619	4.4	592	3.9	2,154	3.2	12,677	2.9	151,702	4.4
Transfer (nutrition risk unknown)	359	2.2	40,163	1.8	6,880	2.0	4,622	1.5	343	2.3	2,269	3.3	14,035	3.2	68,671	2.0
Breastfeeding mother and infant dyad	95	0.6	74,169	3.3	8,130	2.3	4,534	1.5	104	0.7	4,571	6.7	35,714	8.1	127,316	3.7
Infant of a WIC-eligible mother or mother at risk during pregnancy	932	5.8	55,003	2.4	7,861	2.3	7,538	2.4	757	5.0	920	1.4	2,797	0.6	75,808	2.2
Other risk	29	0.2	16,828	0.7	2,790	0.8	3,020	1.0	96	0.6	52	0.1	349	0.1	23,163	0.7
No risk reported	102	0.6	20,042	0.9	2,607	0.7	1,753	0.6	105	0.7	2,117	3.1	6,690	1.5	33,416	1.0

Notes

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

^aZero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

^bNot reported includes the number and percent of participants for whom no data on income, income period, or size of economic unit are reported.

Exhibit 5.27

Number and Percent of One-Year-Old Child WIC Participants with Specific Nutritional Risks Reported At Certification by Percent of Poverty

Type of Risk and Specific Risk	Level of Poverty															
	0%		1% to 100%		101% to 130%		131% to 185%		186% and over		Income Reported as Zero*		Not Reported*		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by level of poverty															
Participants in category	7,610		911,981		140,689		125,039		6,521		34,340		158,090		1,384,269	
Anthropometric	3,245	42.6	360,499	39.5	53,985	38.4	47,766	38.2	2,454	37.6	13,418	39.1	62,973	39.8	544,341	39.3
Low weight for height	391	5.1	51,364	5.6	7,920	5.6	7,045	5.6	395	6.1	2,395	7.0	10,923	6.9	80,434	5.8
High weight for height	1,501	19.7	145,791	16.0	21,026	14.9	18,139	14.5	990	15.2	6,174	18.0	28,014	17.7	221,636	16.0
Short stature	869	11.4	97,244	10.7	12,375	8.8	10,995	8.8	633	9.7	4,190	12.2	19,509	12.3	145,815	10.5
Inappropriate growth or weight gain pattern	928	12.2	104,508	11.5	17,544	12.5	15,608	12.5	536	8.2	2,059	6.0	12,977	8.2	154,160	11.1
Low birthweight or premature birth	116	1.5	11,930	1.3	1,823	1.3	1,809	1.4	197	3.0	370	1.1	1,499	0.9	17,743	1.3
Other anthropometric	151	2.0	9,672	1.1	1,682	1.2	1,647	1.3	49	0.8	101	0.3	317	0.2	13,619	1.0
Biochemical	1,787	23.5	237,539	26.0	33,961	24.1	29,151	23.3	1,648	25.3	9,634	28.1	47,745	30.2	361,465	26.1
Hematocrit or hemoglobin below State standard	1,755	23.1	227,116	24.9	31,997	22.7	27,494	22.0	1,565	24.0	9,451	27.5	46,976	29.7	346,354	25.0
Other biochemical test results which indicate nutritional abnormality	36	0.5	11,035	1.2	2,022	1.4	1,696	1.4	83	1.3	184	0.5	1,016	0.6	16,071	1.2
Clinical, Health, Medical	1,195	15.7	131,615	14.4	21,230	15.1	20,290	16.2	1,280	19.6	3,042	8.9	24,175	15.3	202,828	14.7
Nutrition-related risk conditions	358	4.7	68,897	7.6	11,099	7.9	10,424	8.3	515	7.9	1,870	5.4	15,206	9.6	108,370	7.8
Substance abuse	14	0.2	5,367	0.6	872	0.6	769	0.6	78	1.2	136	0.4	669	0.4	7,905	0.6
Other health risk	973	12.8	62,950	6.9	10,124	7.2	9,828	7.9	741	11.4	1,079	3.1	9,317	5.9	95,013	6.9
Dietary	2,539	33.4	525,533	57.6	81,622	58.0	72,770	58.2	3,698	56.7	16,560	48.2	92,833	58.7	795,555	57.5
Inadequate or inappropriate nutrient intake	1,489	19.6	488,747	53.6	75,015	53.3	66,342	53.1	3,372	51.7	15,640	45.5	87,753	55.5	738,357	53.3
Other dietary risk	1,177	15.5	59,675	6.5	10,314	7.4	10,213	8.2	508	7.8	1,266	3.7	7,842	5.0	91,025	6.6
Other Risk	1,763	23.2	157,049	17.2	22,494	16.0	17,488	14.0	1,153	17.7	6,951	20.2	15,987	10.1	222,885	16.1
Regression	587	7.7	36,069	4.0	5,683	4.0	4,591	3.7	238	3.6	1,095	3.2	3,480	2.2	51,744	3.7
Transfer (nutrition risk unknown)	219	2.9	18,100	2.0	3,139	2.2	2,134	1.7	178	2.7	1,237	3.6	7,222	4.6	32,228	2.3
Breastfeeding mother and infant dyad	89	1.2	58,291	6.4	6,590	4.7	3,699	3.0	83	1.3	4,062	11.8	3,422	2.2	76,235	5.5
Infant of a WIC-eligible mother or mother at risk during pregnancy	897	11.8	43,555	4.8	6,524	4.6	6,459	5.2	623	9.6	701	2.0	2,371	1.5	61,130	4.4
Other risk	20	0.3	5,372	0.6	1,263	0.9	1,209	1.0	66	1.0	27	0.1	161	0.1	8,117	0.6
No risk reported	29	0.4	9,344	1.0	1,341	1.0	900	0.7	55	0.8	1,508	4.4	3,247	2.1	16,424	1.2

Notes

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

*Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

*Not reported includes the number and percent of participants for whom no data on income, income period, or size of economic unit are reported.

Number and Percent of Two-Year-Old Child WIC Participants with Specific Nutritional Risks Reported At Certification by Percent of Poverty

Type of Risk and Specific Risk	Level of Poverty															
	0%		1% to 100%		101% to 130%		131% to 185%		186% and over		Income Reported as Zero*		Not Reported*		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by level of poverty															
Participants in category	3,574		571,508		86,429		76,437		3,559		15,615		94,626		851,747	
Anthropometric	1,541	43.1	220,394	38.6	31,884	36.9	28,098	36.8	1,384	38.9	6,398	41.0	38,667	40.9	328,366	38.6
Low weight for height	243	6.8	30,450	5.3	4,754	5.5	4,371	5.7	247	6.9	1,294	8.3	5,683	6.0	47,043	5.5
High weight for height	639	17.9	91,700	16.0	12,593	14.6	10,525	13.8	563	15.8	2,936	18.8	18,954	20.0	137,910	16.2
Short stature	374	10.5	60,509	10.6	8,229	9.5	7,470	9.8	446	12.5	2,152	13.8	12,224	12.9	91,405	10.7
Inappropriate growth or weight gain pattern	526	14.7	61,810	10.8	9,584	11.1	8,698	11.4	305	8.6	724	4.6	6,874	7.3	88,520	10.4
Low birthweight or premature birth	1	0.0	821	0.1	125	0.1	98	0.1	10	0.3	52	0.3	156	0.2	1,263	0.1
Other anthropometric	115	3.2	7,050	1.2	1,165	1.3	1,101	1.4	39	1.1	62	0.4	168	0.2	9,700	1.1
Biochemical	953	26.7	158,987	27.8	20,943	24.2	17,130	22.4	866	24.3	5,314	34.0	29,310	31.0	233,503	27.4
Hematocrit or hemoglobin below State standard	934	26.1	151,902	26.6	19,800	22.9	16,254	21.3	842	23.7	5,220	33.4	28,763	30.4	223,714	26.3
Other biochemical test results which indicate nutritional abnormality	19	0.5	7,668	1.3	1,194	1.4	907	1.2	26	0.7	94	0.6	791	0.8	10,699	1.3
Clinical, Health, Medical	310	8.7	75,537	13.2	11,452	13.3	10,453	13.7	601	16.9	1,446	9.3	14,676	15.5	114,474	13.4
Nutrition-related risk conditions	177	5.0	44,609	7.8	6,668	7.7	6,148	8.0	294	8.3	1,174	7.5	8,968	9.5	68,037	8.0
Substance abuse	8	0.2	2,798	0.5	391	0.5	322	0.4	50	1.4	20	0.1	332	0.4	3,921	0.5
Other health risk	190	5.3	31,710	5.5	4,920	5.7	4,435	5.8	279	7.8	271	1.7	5,987	6.3	47,792	5.6
Dietary	1,410	39.4	349,385	61.1	54,618	63.2	48,640	63.6	2,231	62.7	6,856	43.9	60,004	63.4	523,145	61.4
Inadequate or inappropriate nutrient intake	996	27.9	336,911	59.0	52,121	60.3	46,267	60.5	2,133	59.9	6,750	43.2	58,888	62.2	504,066	59.2
Other dietary risk	456	12.8	22,138	3.9	3,917	4.5	3,652	4.8	151	4.2	206	1.3	2,369	2.5	32,889	3.9
Other Risk	463	13.0	57,345	10.0	8,001	9.3	6,411	8.4	284	8.0	1,523	9.8	5,933	6.3	79,960	9.4
Regression	402	11.2	27,259	4.8	4,152	4.8	3,512	4.6	127	3.6	561	3.6	2,365	2.5	38,378	4.5
Transfer (nutrition risk unknown)	55	1.5	9,435	1.7	1,644	1.9	1,162	1.5	67	1.9	488	3.1	3,074	3.2	15,926	1.9
Breastfeeding mother and infant dyad	0	0.0	12,648	2.2	1,251	1.4	660	0.9	14	0.4	395	2.5	391	0.4	15,359	1.8
Infant of a WIC-eligible mother or mother at risk during pregnancy	3	0.1	4,745	0.8	536	0.6	409	0.5	66	1.9	92	0.6	151	0.2	6,003	0.7
Other risk	3	0.1	4,639	0.8	580	0.7	790	1.0	17	0.5	9	0.1	79	0.1	6,117	0.7
No risk reported	5	0.1	3,423	0.6	414	0.5	272	0.4	19	0.5	212	1.4	610	0.6	4,955	0.6

Notes

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

*Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

*Not reported includes the number and percent of participants for whom no data on income, income period, or size of economic unit are reported.

Exhibit 5.29

Number and Percent of Three-Year-Old Child WIC Participants with Specific Nutritional Risks Reported At Certification by Percent of Poverty

Type of Risk and Specific Risk	Level of Poverty															
	0%		1% to 100%		101% to 130%		131% to 185%		186% and over		Income Reported as Zero ^a		Not Reported ^b		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by level of poverty															
<i>Participants in category</i>	2,908		462,073		71,072		62,787		2,987		11,366		74,720		687,913	
<i>Anthropometric</i>	1,132	38.9	150,216	32.5	22,127	31.1	19,124	30.5	941	31.5	4,385	38.6	24,830	33.2	222,754	32.4
Low weight for height	138	4.7	21,511	4.7	3,200	4.5	2,880	4.6	157	5.3	1,105	9.7	3,996	5.3	32,987	4.8
High weight for height	396	13.6	54,962	11.9	7,718	10.9	6,519	10.4	329	11.0	1,917	16.9	11,478	15.4	83,321	12.1
Short stature	226	7.8	39,654	8.6	5,708	8.0	5,224	8.3	326	10.9	1,292	11.4	7,341	9.8	59,771	8.7
Inappropriate growth or weight gain pattern	413	14.2	46,313	10.0	7,128	10.0	6,094	9.7	242	8.1	488	4.3	4,659	6.2	65,337	9.5
Low birthweight or premature birth	1	0.0	420	0.1	56	0.1	56	0.1	2	0.1	8	0.1	37	0.0	580	0.1
Other anthropometric	196	6.7	6,587	1.4	1,190	1.7	997	1.6	25	0.8	46	0.4	129	0.2	9,170	1.3
<i>Biochemical</i>	655	22.5	115,484	25.0	14,962	21.1	12,099	19.3	636	21.3	3,653	32.1	20,397	27.3	167,887	24.4
Hem tocrit or hemoglobin below State standard	640	22.0	110,287	23.9	14,195	20.0	11,476	18.3	617	20.7	3,591	31.6	19,965	26.7	160,771	23.4
Other biochemical test results which indicate nutritional abnormality	15	0.5	5,617	1.2	809	1.1	658	1.0	19	0.6	62	0.5	605	0.8	7,786	1.1
<i>Clinical, Health, Medical</i>	263	9.0	62,909	13.6	9,476	13.3	8,541	13.6	564	18.9	1,104	9.7	11,594	15.5	94,452	13.7
Nutrition-related risk conditions	145	5.0	36,867	8.0	5,509	7.8	4,974	7.9	305	10.2	948	8.3	7,028	9.4	55,777	8.1
Substance abuse	1	0.0	2,290	0.5	349	0.5	280	0.4	39	1.3	14	0.1	290	0.4	3,263	0.5
Other health risk	178	6.1	26,863	5.8	4,049	5.7	3,626	5.8	250	8.4	154	1.4	4,811	6.4	39,931	5.8
<i>Dietary</i>	1,203	41.4	293,118	63.4	46,790	65.8	42,126	67.1	2,009	67.3	4,869	42.8	50,741	67.9	440,855	64.1
Inadequate or inappropriate nutrient intake	856	29.4	284,258	61.5	44,926	63.2	40,441	64.4	1,950	65.3	4,820	42.4	50,100	67.1	427,352	62.1
Other dietary risk	371	12.8	14,334	3.1	2,666	3.8	2,323	3.7	71	2.4	101	0.9	1,509	2.0	21,375	3.1
<i>Other Risk</i>	381	13.1	38,292	8.3	5,647	7.9	4,586	7.3	259	8.7	765	6.7	4,191	5.6	54,121	7.9
Regression	328	11.3	23,129	5.0	3,475	4.9	2,933	4.7	149	5.0	343	3.0	1,892	2.5	32,248	4.7
Transfer (nutrition risk unknown)	46	1.6	7,587	1.6	1,271	1.8	818	1.3	58	1.9	343	3.0	2,204	2.9	12,327	1.8
Breastfeeding mother and infant dyad	0	0.0	1,782	0.4	131	0.2	74	0.1	6	0.2	45	0.4	59	0.1	2,098	0.3
Infant of a WIC-eligible mother or mother at risk during pregnancy	4	0.1	2,468	0.5	316	0.4	291	0.5	40	1.3	27	0.2	59	0.1	3,204	0.5
Other risk	3	0.1	4,019	0.9	562	0.8	573	0.9	11	0.4	9	0.1	58	0.1	5,235	0.8
<i>No risk reported</i>	0	0.0	2,433	0.5	309	0.4	210	0.3	13	0.4	180	1.6	444	0.6	3,588	0.5

Notes

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

*Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

*Not reported includes the number and percent of participants for whom no data on income, income period, or size of economic unit are reported.

Exhibit 5.30

Number and Percent of Four-Year-Old Child WIC Participants with Specific Nutritional Risks Reported At Certification by Percent of Poverty

Type of Risk and Specific Risk	Level of Poverty															
	0%		1% to 100%		101% to 130%		131% to 185%		186% and over		Income Reported as Zero*		Not Reported*		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by level of poverty															
Participants in category	1,879		297,646		45,966		40,916		2,014		6,265		46,415		440,101	
Anthropometric	810	43.1	100,869	33.9	15,288	33.3	13,285	32.6	695	34.5	2,555	40.8	16,061	35.4	149,563	34.0
Low weight for height	84	4.6	12,651	4.3	2,005	4.4	1,672	4.1	105	5.2	669	10.7	2,404	5.3	19,590	4.5
High weight for height	361	19.2	41,080	13.8	5,958	13.0	5,335	13.0	299	14.8	1,185	18.9	7,896	17.4	62,113	14.1
Short stature	120	6.4	24,332	8.2	3,588	7.8	3,146	7.7	201	10.0	702	11.2	4,533	10.0	36,620	8.3
Inappropriate growth or weight gain pattern	221	11.8	29,854	10.0	4,764	10.4	4,048	9.9	135	6.7	232	3.7	2,831	6.2	42,085	9.6
Low birthweight or premature birth	0	0.0	241	0.1	36	0.1	17	0.0	2	0.1	4	0.1	13	0.0	313	0.1
Other anthropometric	172	9.2	4,631	1.6	720	1.6	689	1.7	19	0.9	24	0.4	86	0.2	6,342	1.4
Biochemical	373	19.9	62,872	21.1	7,774	16.9	6,408	15.7	400	19.9	1,699	27.1	10,392	22.9	89,918	20.4
Hematocrit or hemoglobin below State standard	368	19.6	59,989	20.2	7,398	16.1	6,078	14.9	389	19.3	1,658	26.4	10,142	22.3	86,018	19.5
Other biochemical test results which indicate nutritional abnormality	6	0.3	3,114	1.0	397	0.9	347	0.8	12	0.6	43	0.7	341	0.8	4,261	1.0
Clinical, Health, Medical	181	9.6	40,832	13.7	6,117	13.3	5,440	13.3	349	17.3	649	10.4	7,204	15.9	60,771	13.8
Nutrition-related risk conditions	89	4.7	23,647	7.9	3,625	7.7	3,149	7.7	194	9.6	556	8.9	4,174	9.2	35,333	8.0
Substance abuse	2	0.1	1,661	0.6	238	0.5	191	0.5	14	0.7	10	0.2	153	0.3	2,270	0.5
Other health risk	115	6.1	17,618	5.9	2,632	5.7	2,337	5.7	159	7.9	90	1.4	3,197	7.0	26,147	5.9
Dietary	703	37.4	190,466	64.0	30,544	66.4	27,499	67.2	1,393	69.2	2,792	44.6	31,326	69.0	284,724	64.7
Inadequate or inappropriate nutrient intake	491	26.1	184,908	62.1	29,340	63.8	26,427	64.6	1,350	67.0	2,760	44.1	31,013	68.3	276,288	62.8
Other dietary risk	223	11.9	8,411	2.8	1,699	3.5	1,434	3.5	69	3.4	60	1.0	733	1.6	12,629	2.8
Other Risk	259	13.8	24,358	8.2	3,651	7.9	3,051	7.5	126	6.3	341	5.4	2,357	5.2	34,142	7.8
Regression	225	12.0	15,292	5.1	2,312	5.0	1,994	4.9	87	3.3	126	2.0	985	2.2	21,001	4.8
Transfer (nutrition risk unknown)	34	1.8	4,941	1.7	817	1.8	495	1.2	40	2.0	184	2.9	1,351	3.0	7,862	1.8
Breastfeeding mother and infant dyad	0	0.0	701	0.2	48	0.1	23	0.1	1	0.0	14	0.2	19	0.0	806	0.2
Infant of a WIC-eligible mother or mother at risk during pregnancy	0	0.0	1,305	0.4	185	0.4	156	0.4	19	0.9	14	0.2	30	0.1	1,709	0.4
Other risk	3	0.2	2,591	0.9	357	0.8	430	1.1	2	0.1	5	0.1	38	0.1	3,426	0.8
No risk reported	1	0.1	1,723	0.6	201	0.4	132	0.3	6	0.3	69	1.1	234	0.5	2,366	0.5

Notes

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within the same classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

*Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

*Not reported includes the number and percent of participants for whom no data on income, income period, or size of economic unit are reported.

Anthropometric Values

Weight and height are measured and recorded during the eligibility determination process. While such data are routinely collected by States, in both PC92 and PC94, there have been some problems with accurate reporting of this information. For about one-third of infant WIC enrollees, the anthropometric data are invalid or unreported. For children, the percentage is 16.5. Measurements for WIC infants and children were compared with the statistical norms in the general population using National Center for Health Statistics-Centers for Disease Control and Prevention standard distributions. Exhibits 5.31 through 5.37 display numbers and percents of infants and children by race/ethnicity who fall at the upper and lower limits of the standard distribution. The difficulty of accurately measuring infant length and weight must be taken into consideration, for these difficulties are likely to affect the accuracy of the anthropometric measurements reported here. Also, as reported earlier, 84 percent of infants are certified for WIC when they are between zero and three months old. About one-half of children are certified for WIC at the age of one year.

Although there are slight decreases in underweight and short stature for infants and children between 1992 and 1994, these differences may reflect higher proportions of missing or invalid anthropometric data in PC94. Across ethnic categories, Hispanic and black infants are more likely to fall below the tenth percentile for weight for length. Black infants are also more likely to fall below the tenth percentile in weight for age and length for age. American Indian and Alaskan Native infants have the greatest likelihood of exceeding the ninetieth percentile for weight for length and weight for age.

A similar finding occurs for black children who evidence higher proportions reported below the tenth percentile in weight for age and height for age. Asian/Pacific Islander child WIC recipients are more likely to be below the tenth percentile in all three categories. American Indian/Alaskan Native WIC children, like infants of this ethnicity, have a higher likelihood of exceeding the ninetieth percentile for weight for height and weight for age.

In general, these findings replicate data reported in the 1992 study of WIC participant and program characteristics. Tables 5.35 and 5.36 present numbers and percents of infants and children determined to be at risk according to modal values of anthropometric criteria reported by State WIC agencies. (See Appendix E.) In computing modal values, equal weight is assigned to every reporting State.

Table 5.37 presents information on anthropometric risks for breastfeeding and postpartum women. This exhibit applies State-specific criteria for current weight for height as well as modal criteria derived from the reported State-specific values. When State-specific criteria are applied to reported height and weight, 42.7 percent of breastfeeding women and 39.5 percent of postpartum women are overweight. When PC94 modal criteria are considered, close to half (45.3 percent for breastfeeding women and 45.6 percent of postpartum women) of these participant groups are overweight. It is interesting to compare these figures with the State-specific nutritional risks reported in Exhibit 5.9 where only 29.8 percent of breastfeeding women and 29.9 percent of postpartum women are reported as having high weight for height. Figures for underweight are about the same for State-reported specific risks (Exhibit 5.9) and the criteria used in Exhibit 5.37.

Exhibit 5.31

Distribution of Infant^a WIC Participants According to Selected Anthropometric Measures: 1990, 1992, 1994

NCHS-CDC Percentiles ^b	1990	1992	1994
	Percent by percentile ^c		
Weight for length^d			
<3rd percentile ^e		2.5%	2.5%
<5th	7.0%	5.0	4.9
<10th	11.0	8.1	7.8
>90th	20.0	9.4	9.2
>95th	12.0	5.1	5.0
>98th ^e		4.0	4.0
Invalid or unreported anthropometric data		24.7	29.5
Weight for age^f			
<3rd percentile ^e		5.9	4.6
<5th	11.0	7.9	6.4
<10th	16.0	12.6	10.5
>90th	13.0	12.0	11.4
>95th	9.0	8.6	8.0
>98th ^e		5.5	5.2
Invalid or unreported anthropometric data		12.4	21.5
Length for age^{g,h}			
<3rd percentile ^e		9.4	7.9
<5th	18.0	11.2	9.5
<10th	24.0	15.5	13.4
Invalid or unreported anthropometric data		14.0	25.2
WIC infants	1,352,876	1,732,077	1,852,455

Notes

Percentiles are calculated using software for pediatric anthropometry developed by the Centers for Disease Control and the World Health Organization. See: Sullivan, M. and J. Gorstein, December 1990. *ANTHRO: Software for Calculating Pediatric Anthropometry*, Version 1.01.

^a An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

^b NCHS = National Center for Health Statistics. CDC = Centers for Disease Control and Prevention.

^c Percentiles reported in this table are cumulative. For example the <5th category includes those infants in the <3rd percentile, and the >95th category includes those infants in the >98th percentile.

^d It is assumed that height for an infant is recumbent length.

^e Not a reporting category in 1990.

^f Age is calculated in months using birthdates and dates height and weight are measured.

Exhibit 5.32

Distribution of Infant WIC Participants by Racial or Ethnic Characteristics According to Selected Anthropometric Measures^a

NCHS-CDC Percentiles ^b	American Indian or Alaskan Native	Asian or Pacific Islander	Black (non-Hispanic)	Hispanic	White (non-Hispanic)	Race or Ethnicity Not Reported
Percent by characteristic						
Weight for length^c						
<3rd percentile ^d	1.9%	2.4%	2.8%	3.3%	1.8%	2.1%
<5th	3.9	4.7	5.3	5.9	4.0	4.2
<10th	6.5	7.8	8.3	9.1	6.5	6.7
>90th	14.5	8.0	8.4	8.7	10.1	10.0
>95th	8.4	4.3	4.8	4.6	5.4	5.8
>98th	6.8	3.4	3.9	3.8	4.2	4.5
Invalid or unreported anthropometric data	20.1	31.2	36.0	28.3	26.3	32.6
Weight for age^e						
<3rd percentile ^d	4.1	2.4	7.1	3.1	4.4	2.9
<5th	5.4	3.5	9.6	4.2	6.2	4.0
<10th	8.9	6.4	15.4	7.2	10.1	6.7
>90th	16.5	7.7	10.1	9.0	13.9	10.7
>95th	11.6	5.1	7.4	6.2	9.6	6.9
>98th	8.3	3.4	4.9	4.0	6.1	4.7
Invalid or unreported anthropometric data	15.9	43.4	14.0	39.5	12.5	33.2
Length for age^f						
<3rd percentile ^d	7.2	4.5	11.7	5.2	7.5	5.2
<5th	8.8	5.6	13.6	6.4	9.2	6.7
<10th	12.5	8.2	18.3	9.4	13.4	9.8
Invalid or unreported anthropometric data	15.5	46.1	18.3	40.8	17.6	33.9
WIC infants	27,070	52,570	486,393	517,398	754,891	14,130

Notes

Percentiles are calculated using software for pediatric anthropometry developed by the Centers for Disease Control and the World Health Organization. See: Sullivan, M. and J. Gorstein. December 1990. *ANTHRO: Software for Calculating Pediatric Anthropometry*, Version 1.01.

^a An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

^b NCHS = National Center for Health Statistics. CDC = Centers for Disease Control and Prevention.

^c It is assumed that height for an infant is recumbent length.

^d Percentiles reported in this table are cumulative. For example the <5th category includes those infants in the <3rd percentile, and the >95th category includes those infants in the >98th percentile.

^e Age is calculated in months using birthdates and dates height and weight are measured. As noted in the text, 75 percent of WIC infants are certified for program benefits when they are between the ages of zero and three months.

Distribution of Child WIC Participants by Age According to Selected Anthropometric Measures: 1990, 1992, 1994

NCHS-CDC Percentiles ^a	1 Year Old			2 or More Years Old			Date of Birth Not Reported 1994
	1990	1992	1994	1990	1992	1994	
	Percent by percentile ^b						
<i>Weight for height^c</i>							
<3rd percentile ^d		2.5%	2.2%		1.6%	1.3%	
<5th	3%	3.9	3.3	5%	2.9	2.4	
<10th	7	8.5	7.6	8	6.2	5.4	
>90th	29	19.2	20.8	24	13.1	13.7	
>95th	19	11.9	13.1	16	8.4	8.8	
>98th ^d		9.3	10.2		6.5	6.9	
Invalid or missing anthropometric data		4.5	4.5		1.2	3.3	
<i>Weight for age^c</i>							
<3rd percentile ^d		3.8	4.2		3.5	3.5	
<5th	6	5.9	5.9	6	5.7	5.3	
<10th	10	10.9	9.9	11	11.3	10.0	
>90th	17	14.6	13.3	16	13.4	13.2	
>95th	12	9.5	8.6	11	8.6	8.6	
>98th ^d		7.0	6.4		6.5	6.5	
Invalid or missing anthropometric data		2.6	14.8		1.3	7.8	
<i>Height for age^{c,*}</i>							
<3rd percentile ^d		7.0	6.1		4.4	4.1	
<5th	13	9.7	8.4	12	6.5	5.9	
<10th	22	15.5	13.4	17	11.6	10.4	
>90th			7.9			13.0	
>95th			4.4			7.8	
>98th			3.0			5.3	
Invalid or missing anthropometric data		3.4	16.5		1.4	8.4	
<i>WIC children</i>	868,744	1,200,524	1,384,268	1,213,718	1,483,236	1,979,761	100,601

Notes

Percentiles are calculated using software for pediatric anthropometry developed by the Centers for Disease Control and the World Health Organization. See: Sullivan M. and J. Gorstein. December 1990. *ANTHRO: Software for Calculating Pediatric Anthropometry*, Version 1.01.

^a NCHS = National Center for Health Statistics. CDC = Centers for Disease Control and Prevention.

^b Percentiles reported in this table are cumulative. For example the <5th category includes those infants in the <3rd percentile, and the >95th category includes those infants in the >98th percentile.

^c NCHS-CDC reference curves for one-to-two-year-old children are based on a sample of children from Yellow Springs, Ohio, who were measured by researchers at the Fels Research Institute. For children aged two or more, NCHS-CDC growth reference curves are based on a representative sample of US children.

^d Not a reporting category in 1990.

^{*} Age is calculated in months using birthdates and dates height and weight are measured. In 1990, certification dates were the same as measurement dates. As noted in the text, in 1994, 40 percent of child WIC participants are certified to receive program benefits at the age of one year.

Exhibit 5.35

Number and Percent of Infant WIC Participants at Risk According to Several Anthropometric Criteria

	Number	Percent
1994 WIC Modal Criteria		
<i>Weight for age</i>		
Underweight	194,894	10.5
Overweight	209,637	11.3
Weight not reported	94,628	5.1
<i>Length for age</i>		
Short stature	247,682	13.4
Tall stature	158,420	8.6
Length not reported	169,066	9.1
<i>Weight for length</i>		
Underweight	143,931	7.8
Overweight	170,694	9.2
Weight or length not reported	179,597	9.7
Weight and length not reported	84,097	4.5

Notes

Anthropometric criteria are based on percentiles developed by the National Center for Health Statistics (NCHS). Percentiles are calculated using software for pediatric anthropometry developed by the Centers for Disease Control and the World Health Organization. See: Sullivan, M. and J. Gorstein. December 1990. *ANTHRO: Software for Calculating Pediatric Anthropometry*, Version 1.01.

Calculations for modal criteria assign equal weight to every reporting State. There is substantial variation in numbers of State WIC agencies reporting information on anthropometric criteria. For details on this topic, see Appendix E.

Distribution of Child WIC Participants by Age and Race or Ethnicity According to Selected Anthropometric Measures

NCHS* Percentiles	American Indian or Alaskan Native			Asian or Pacific Islander			Black (non-Hispanic)			Hispanic			White (non-Hispanic)			Race or Ethnicity Not Reported		
	1 Year Old	2 or More Years Old	Age Not Reported	1 Year Old	2 or More Years Old	Age Not Reported	1 Year Old	2 or More Years Old	Age Not Reported	1 Year Old	2 or More Years Old	Age Not Reported	1 Year Old	2 or More Years Old	Age Not Reported	1 Year Old	2 or More Years Old	Age Not Reported
Percent by characteristic																		
<i>Weight for height^a</i>																		
< 3rd ^c	1.3%	0.8%		3.2%	1.7%		2.6%	1.7%		2.1%	1.4%		2.0%	1.2%		2.5%	1.6%	
< 5th	2.0	1.3		5.2	3.0		3.9	2.9		3.1	2.5		3.2	2.2		4.0	2.6	
< 10th	4.6	2.8		11.1	6.2		8.3	6.2		7.1	5.5		7.4	5.0		8.6	5.2	
> 90th	29.0	20.2		15.7	15.0		20.6	12.9		24.5	17.7		19.0	11.6		20.5	14.1	
> 95th	18.5	13.1		9.4	9.9		13.1	8.3		16.1	12.1		11.4	7.2		12.6	9.1	
> 98th	15.0	10.1		7.2	7.9		10.4	6.4		12.9	9.9		8.7	5.4		10.1	7.0	
Invalid or unreported anthropometric data	4.2	1.4		3.5	2.2		6.7	4.8		3.2	3.2		4.1	2.8		7.1	7.9	
<i>Weight for age^{b, d}</i>																		
< 3rd ^c	3.9	5.7		3.7	4.0		5.3	3.7		3.4	2.9		4.0	3.6		7.9	5.2	
< 5th	5.4	6.8		5.4	6.2		7.3	5.4		4.5	4.5		6.0	5.6		9.3	6.8	
< 10th	8.7	9.8		9.4	11.3		11.9	9.9		7.3	8.7		10.4	10.9		12.9	10.7	
> 90th	20.0	18.6		7.2	10.6		14.3	14.7		12.3	15.2		13.5	11.2		13.1	14.0	
> 95th	13.3	12.3		4.5	7.0		9.4	9.6		8.2	10.6		8.5	7.0		8.3	9.2	
> 98th	10.5	9.3		3.3	5.4		7.1	7.3		6.3	8.3		6.2	5.1		6.2	7.1	
Invalid or unreported anthropometric data	6.1	4.0		36.4	17.7		8.6	6.1		34.0	16.1		6.5	4.0		22.8	15.6	
<i>Height for age^{b, d}</i>																		
< 3rd ^c	7.3	3.4		5.1	5.7		7.6	3.8		4.5	3.6		6.2	4.6		5.7	4.7	
< 5th	9.5	4.9		7.1	8.2		10.3	5.4		6.1	5.2		8.7	6.7		7.6	5.9	
< 10th	15.0	8.8		11.4	13.9		15.7	9.1		10.1	9.2		14.2	11.9		10.9	9.6	
> 90th	8.7	13.4		5.2	8.4		9.2	17.1		6.4	13.1		8.2	10.8		8.6	14.4	
> 95th	4.9	7.9		2.9	5.0		5.2	10.8		3.6	8.0		4.5	6.1		5.1	8.7	
> 98th	3.4	5.4		1.9	3.4		3.6	7.6		2.6	5.6		3.0	4.0		3.6	6.2	
Invalid or unreported anthropometric data	8.2	7.9		38.3	18.2		10.9	6.9		35.6	16.3		7.6	4.5		27.6	17.4	
WIC Children	22,858	43,281	506	36,807	44,171	2,810	376,493	526,128	8,396	351,143	483,600	4,958	590,837	874,420	17,737	6,130	8,161	66,195

Notes

* NCHS = National Center for Health Statistics. Percentiles are calculated using software for pediatric anthropometry developed by the Centers for Disease Control and the World Health Organization. See Sullivan M. and J. Gorstein, December 1990, *ANTHRO: Software for Calculating Pediatric Anthropometry*, Version 1.01.

^b NCHS-CDC reference curves for one to two-year-old children are based on a sample of children from Yellow Springs, Ohio, who were measured by researchers at the Fels Research Institute. For children aged two or more, NCHS-CDC growth reference curves are based on a representative sample of US children.

^c Percentiles reported in this table are cumulative. For example the < 5th category includes those children in the < 3rd percentile, and the > 95th category includes those children in the > 98th percentile.

^d Age is calculated in months using birthdates and dates height and weight are measured. As noted in the text, 40 percent of child WIC participants are certified to receive program benefits at the age of one year.

Exhibit 5.36

Number and Percent of Child WIC Participants at Risk According to Several Anthropometric Criteria

	1 Year		2 Years		3 Years		4 Years		Age Not Reported		Total Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Children in age group</i>	1,384,269		851,747		687,913		440,101		100,602		3,464,632	
1994 WIC Model Criteria												
<i>Weight for age</i>												
Underweight	138,228	10.0	83,317	9.8	70,609	10.3	45,702	10.4	1,486	1.5	339,343	9.8
Overweight	183,377	13.2	110,321	13.0	85,662	12.5	64,571	14.7	1,977	2.0	445,907	12.9
Weight not reported	25,252	1.8	11,679	1.4	7,177	1.0	3,388	0.8	4,534	4.5	52,031	1.5
<i>Height for age</i>												
Short stature	186,829	13.5	69,372	8.1	80,966	11.8	57,003	13.0	2,235	2.2	396,405	11.4
Tall stature	108,817	7.9	121,882	14.3	82,588	12.0	51,465	11.7	1,176	1.2	365,926	10.6
Height not reported	32,216	2.3	14,987	1.8	8,999	1.3	4,022	0.9	7,295	7.3	67,520	1.9
<i>Weight for height</i>												
Underweight	105,458	7.6	50,276	5.9	35,133	5.1	21,793	5.0	7,876	7.8	220,537	6.4
Overweight	273,869	19.8	105,780	12.4	95,499	13.9	69,908	15.9	17,612	17.5	562,668	16.2
Weight or height not reported	34,735	2.5	15,564	1.8	9,509	1.4	4,804	1.1	7,450	7.4	72,062	2.1
Weight and height not reported	22,733	1.6	11,102	1.3	6,668	1.0	2,607	0.6	4,379	4.4	47,488	1.4

Notes

Anthropometric criteria are based on percentiles developed by the National Center for Health Statistics (NCHS). Percentiles are calculated using software for pediatric anthropometry developed by the Centers for Disease Control and the World Health Organization. See: Sullivan, M. and J. Gorstein, December 1990. *ANTHRO: Software for Calculating Pediatric Anthropometry, Version 1.01*.

Calculations for model criteria assign equal weight to every reporting State. There is substantial variation in numbers of State WIC agencies reporting information on anthropometric criteria. For details on this topic, see Appendix E.

Exhibit 5.37

Number and Percent of Breastfeeding and Postpartum Women WIC Participants at Risk According to Several Anthropometric Criteria

	Breastfeeding Women		Postpartum Women	
	Number	Percent	Number	Percent
<i>Women in category</i>	275,159		491,999	
1994 WIC modal criteria				
Current weight for height				
Underweight	11,286	4.1	24,840	5.0
Overweight	124,611	45.3	224,293	45.6
Weight not reported	6,550	2.4	14,292	2.9
Height not reported	15,120	5.5	29,190	5.9
Weight or height not reported	18,956	6.9	35,916	7.3
Weight and height not reported	2,713	1.0	7,566	1.5

Notes

Standard height and weight percentiles are based on the Metropolitan Life Actuarial Tables, 1959.

Calculation for modal criteria assign equal weight to every reporting State. Seventy-nine State WIC agencies reported criteria for underweight for breastfeeding women; seventy-six agencies provided criteria for overweight. For postpartum women, seventy-eight State WIC agencies reported criteria for underweight; seventy-five agencies provided information on overweight.

Federal WIC regulations allow each State to set WIC eligibility criteria for determining nutritional risk using hemoglobin and/or hematocrit measures. States reported their eligibility criteria for PC94; average values are presented in Exhibits 5.38 and 5.39 along with the 1989 CDC standards for anemia and modal values from PC90 and PC92. State-by-State tables appear in Appendix E. The modal criteria for blood measures have changed very slightly across the States since 1990. In calculating median and modal values for hemoglobin and hematocrit criteria, equal weight is assigned to every reporting State.

As part of the minimum data set for PC94, States reported hemoglobin and hematocrit values for women, children, and infants over six months of age. Blood measures were reported for two-thirds of all participants. (See Exhibit 5.40.) Most of the missing values are for infants, who are not required to be tested unless they are over six months of age when they are certified eligible for WIC benefits, and for children who have received normal blood tests within the six months prior to certification. Federal regulations allow for waiving the blood test, given a normal result at the previous certification appointment. In these cases, State information systems report blood measures as missing. For PC94, States were permitted to report erythrocyte protoporphyrin values, but only one State exercised that option, representing less than 1.0 percent of WIC enrollees.

The results of blood tests are used by local WIC staff to determine eligibility for WIC benefits. Applicants with blood test values at or below State-set criteria are considered at nutritional risk and are eligible for WIC benefits.

Exhibits 5.41 and 5.42 provide information on numbers and proportions of WIC enrollees falling below the three hematologic standards: State-specific criteria; 1994 modal criteria; and the 1989 CDC standard for anemia. Anemia rates for postpartum women are consistently high—as they were in 1992. For children, anemia rates decrease with age for all three standards. Note that, in computing table entries for both women and children, percents below CDC standards were calculated by excluding women and children for whom data were not reported from numerators but including them in denominators. While the percentages reported here must be treated as representative of lower bound estimates of the prevalence of anemia in the WIC population, it may be that these estimates are more exact than might be expected. Unreported data tend to be concentrated among children who had normal hematocrit and hemoglobin values at their previous certifications.

It would be helpful to compare PC94 findings on anemia in WIC women with information on the US population. However, data on the prevalence of iron deficiency among women during childbearing years are available mainly from the second (1976-1980) National Health and Nutrition Examination Survey (NHANES II) where findings are reported only for nonpregnant women. The sample of pregnant women is too small for detailed analysis. Information from NHANES II indicates that between 5 percent and 10 percent of nonpregnant women display impaired iron status. Iron deficiency anemia was found in less than 2 percent of nonpregnant US women.¹

¹Institute of Medicine. 1990 *Nutrition During Pregnancy*. Washington, DC: National Academy Press.

Exhibit 5.38

State 1994 Nutritional Risk Eligibility Criteria for Hemoglobin and Hematocrit Levels Compared with 1989 CDC Standards for Anemia

Participant Category	1994 WIC Program Criteria				1989 CDC Standard
	Minimum Value	Maximum Value	Median Value	Modal Value	
Hemoglobin					
Pregnant women					
First trimester	10.0	13.1	11.6	12.0	11.0
Second trimester	10.0	13.1	11.0	12.0	10.5
Third trimester	10.0	13.1	11.2	10.9	11.0
Constant criterion	10.0	13.1	12.0	12.0	—
Breastfeeding	10.0	13.1	12.0	12.0	12.0
Postpartum	10.0	13.1	12.0	12.0	12.0
Infants	9.9	12.6	11.0	11.0	—
Children					
1 year old	9.9	13.3	11.0	11.0	11.0
2 through 4 years	10.3	12.1	11.2	11.0	11.2
Hematocrit					
Pregnant women					
First trimester	32.0	38.0	34.9	33.0	33.0
Second trimester	31.0	38.0	33.9	31.9	32.0
Third trimester	32.0	38.0	34.0	33.0	33.0
Constant criterion	33.0	38.0	35.9	36.0	—
Breastfeeding	33.0	38.5	36.0	36.0	36.0
Postpartum	30.0	38.0	36.0	36.0	36.0
Infants	30.9	38.0	33.9	34.0	—
Children					
1 year old	30.9	36.0	34.0	34.0	33.0
2 through 4 years	32.9	36.0	34.0	34.0	34.0

Notes

Hemoglobin values are reported in grams per deciliter. Hematocrit values are reported as percents.

For this table, calculations for means and medians include values for State setting separate criteria by age or by trimester as well as values for States with constant criteria. Calculations for medians and modes assign equal weight to every state. All State WIC agencies reported criteria for pregnant women. Eighty States reported criteria for infants and children.

Exhibit 5.39

Hematologic Criteria Commonly Used for Determining WIC Eligibility

Participant Category	CDC 1989 Standards for Anemia ^a		1990 WIC Modal Criteria		1992 WIC Modal Criteria		1994 WIC Modal Criteria	
	Hemoglobin	Hematocrit	Hemoglobin	Hematocrit	Hemoglobin	Hematocrit	Hemoglobin	Hematocrit
<i>Pregnant women</i>								
First trimester	11.0	33	12.0	37	12.0	32.9	12.0	33.0
Second trimester	10.5	32	11.0	34	11.0	34.0	12.0	31.9
Third trimester	11.0	33	11.0	33	10.9	33.9	10.9	33.0
<i>Breastfeeding and postpartum women</i>	12.0	36	12.0	36	12.0	36.0	12.0	36.0
<i>Infants^b</i>	*	*	11.0	33	11.0	34.0	11.0	34.0
<i>Children</i>								
1 year old	11.0	33	11.0	34	11.0	34.0	11.0	34.0
2 through 4 years	11.2	34	11.0	34	11.0	34.0	11.0	34.0

Notes

Federal WIC regulations permit State and local agencies to dispense with hematological testing for infants under six months of age, as well as for children who are found to be within normal ranges at their last certification. However, blood tests should be performed on such children at least once in every twelve-month period.

^aCenters for Disease Control. 1989. "CDC Criteria for Anemia in Children and Childbearing-Aged Women." *Morbidity and Mortality Weekly Report*, 38, 22: 401-404. The CDC has not published standards for infants. However, cutoff values for one-to-two-year-old children can be extrapolated back to six months of age.

^bAn infant is defined as a participant who, on the day of certification, is under one year of age and who would be classified as a child at the age of 366 days.

Exhibit 5.40

Availability of Hematological Data for WIC Participants

Percent of WIC Participants by Participant Category with Specific Types of Hematological Measures

Type of Measure	Pregnant Women	Breastfeeding Women	Postpartum Women	Total Women	Infants*	Children	Total WIC
Percent by participant category							
<i>Participants in category</i>	823,605	275,159	491,999	1,590,762	1,852,455	3,464,632	6,907,849
<i>Participants with test report for ...</i>							
Hemoglobin	53.3%	49.0%	56.8%	53.7%	7.9%	56.0%	42.5%
Hematocrit	21.9	23.7	19.9	21.6	4.6	24.2	18.4
Hemoglobin and hematocrit	17.0	11.0	10.8	14.1	0.9	7.4	7.2
<i>No blood test reported</i>	7.7	16.3	12.4	10.6	86.6	12.3	31.9

Notes

Although PC94 allowed States the option of reporting erythrocyte protoporphyrin test results, this item was reported for less than 1.0 percent of WIC participants in PC94, thus it does not appear in this table.

* An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days. Federal WIC regulations permit State and local agencies to dispense with hematological testing for infants under six months of age as well as for children who are found to be within normal ranges at their last certification. However, blood tests should be performed on such children at least once in every twelve-month period. While WIC Program regulations do not require obtaining and reporting blood measurements on infants, in some instances, staff at local WIC service sites complete blood tests and report test results. All such data reported in 1994 are included in this column.

Exhibit 5.41

Number and Percent of Women WIC Participants Falling Below Several Hematologic Standards

Hematologic Standard	Percent by participant category													
	Pregnant Women						Not Reported*		Breastfeeding Women		Postpartum Women		Total Women	
	First Trimester		Second Trimester		Thrd Trimester		Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Number	Percent	Number	Percent	Number	Percent								
Women in category	320,085		330,020		88,370		85,129		275,159		491,999		1,590,762	
State-specific criteria for WIC eligibility														
Hemoglobin	41,568	13.0%	67,379	20.4%	29,305	33.2%			49,256	17.9%	128,733	26.2%	316,241	19.9%
Hematocrit	20,742	6.5	43,271	13.1	17,575	19.9			28,398	10.3	62,115	12.6	172,100	10.8
1994 modal criteria														
Hemoglobin	55,215	17.3	106,354	32.2	16,360	18.5			49,142	17.9	132,794	27.0	359,866	22.6
Hematocrit	5,573	1.7	11,636	3.5	9,960	11.3			28,468	10.3	61,618	12.5	117,255	7.4
1989 CDC standard for anemia*														
Hemoglobin	15,317	4.8	24,784	7.5	17,877	20.2			49,131	17.9	132,682	27.0	239,792	15.1
Hematocrit	5,573	1.7	11,929	3.6	9,960	11.3			28,466	10.3	61,603	12.5	117,531	7.4
Erythrocyte protoporphyrin	0	0.0	0	0.0	0	0.0			2	0.0	0	0.0	2	0.0
Blood measure not reported	22,309	7.0	22,576	6.8	5,807	6.6	12,518	14.7	48,787	17.7	66,388	13.5	178,385	11.2

Notes

Percent below each standard includes in denominators women for whom no data were reported so that the percentages reported here represent lower bounds.

Estimates reported here are additive. For example, in April 1994, blood test values reported for 22.5 percent (or 357,323) of WIC women met the CDC standards for anemia.

*Centers for Disease Control. 1989 "CDC Criteria for Anemia in Children and Childbearing-aged Women." *Morbidity and Mortality Weekly Report*, 38, 22: 401-404.

*Not reported indicates the number and percent of participants, by participant category, for whom data were not reported on expected date of delivery or weeks gestation.

Exhibit 5.42

Number and Percent of Child WIC Participants Falling Below Several Hematologic Standards

Standard	1 Year		2 Years		3 Years		4 Years		Age Not Reported		Total Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by age at certification												
<i>Children in age group</i>	1,384,269		851,747		687,913		440,101		100,602		3,464,632	
<i>State-specific criteria for WIC eligibility</i>												
Hemoglobin	256,263	18.5%	154,023	18.1%	104,280	15.2%	56,066	12.7%			570,632	16.5%
Hematocrit	89,748	6.5	57,883	6.8	39,174	5.7	20,776	4.7			207,581	6.0
<i>1994 modal criteria</i>												
Hemoglobin	180,240	13.0	96,631	11.3	60,331	8.8	30,360	6.9			367,562	10.6
Hematocrit	94,403	6.8	51,035	6.0	33,873	4.9	17,699	4.0			197,010	5.7
<i>1989 CDC standard for anemia*</i>												
Hemoglobin	180,240	13.0	141,802	16.6	93,594	13.6	49,304	11.2			464,941	13.4
Hematocrit	53,834	3.9	51,035	6.0	33,873	4.9	17,700	4.0			156,442	4.5
<i>Not reported^b</i>	185,592	13.4	97,056	11.4	74,998	10.9	46,922	10.7	22,774	22.6	427,342	12.3

Notes

Percent below each standard includes in denominators children for whom no data were reported so that the percentages reported here represent lower bounds.

Estimates reported here are additive. For example, in April 1994, blood test values for 17.9 percent (or 621,383) of WIC children met the CDC standards for anemia.

Federal WIC regulations permit State and local agencies to dispense with hematological testing for infants under six months of age, as well as for children who are found to be within normal ranges at their last certification. However, blood tests should be performed on such children at least once in every twelve-month period.

Although PC94 data specifications allowed States the option of reporting erythrocyte protoporphyrin test results, this item was reported for < .1% of WIC participants in PC94, thus it does not appear in this table.

*Centers for Disease Control. 1989 "CDC Criteria for Anemia in Children and Childbearing Aged Women." *Morbidity and Mortality Weekly Report*, 38, 22: 401-404.

^bNot reported indicates the number and percent of participants, by participant category, for whom data were not reported on blood measures.

It is, of course, generally agreed that both iron needs and prevalence of iron deficiency increase during pregnancy.² In a World Health Organization publication, it was estimated that the global prevalence of anemia is 51 percent.³ PC94 estimates of anemia in prenatal WIC enrollees—which range from 22.5 percent to 30.7 percent—appear to fit within this context.

Information on anemia by ethnic category and age appears in Exhibits 5.43 and 5.44. In PC94, as in previous studies, black women and children display the highest reported levels of anemia. Hispanic children also had high levels of anemia reported. White women and American Indian or Alaskan Native children reported the lowest levels of anemia. Across age and ethnic categories, percentages of anemic children peak at two years of age and then decrease with age. These findings are similar to outcomes reported in PC88, PC90, and PC92.

²Hallberg, L. 1988 "Iron Balance in Pregnancy." In H. Berger, editor. *Vitamins and Minerals in Pregnancy and Lactation*. New York: Raven Press.

³DeMaeyer, D., and M. Adiels-Tegman. 1985 "The Prevalence of Anemia in the World." *World Health Statistics Quarterly*, 38: 302-316.

Exhibit 5.43

Number and Percent of Anemic Women WIC Participants by Participant Category and Racial or Ethnic Characteristics

	American Indian or Alaskan Native		Asian or Pacific Islander		Black (non-Hispanic)		Hispanic		White (non- Hispanic)		Ethnicity Not Reported		Total Women	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by ethnic category													
<i>Women in ethnic category</i>	23,201		43,215		358,791		445,350		708,680		13,526		1,590,762	
<i>Total women</i>	23,201		43,215		358,791		445,350		708,680		13,526		1,590,762	
Below CDC standard*	3,554	15.3%	8,416	19.5%	102,761	28.8%	76,670	17.2%	103,988	14.7%	1,412	10.4%	296,803	18.7%
Not reported	2,630	11.3	9,586	22.2	49,319	13.8	104,804	23.5	77,038	10.9	7,618	56.3	250,995	15.8
<i>Pregnant women</i>	12,045		21,156		197,006		228,286		360,454		4,658		823,605	
Below CDC standard*	840	7.0	1,899	9.0	31,292	15.9	17,261	7.6	19,048	5.3	353	7.6	70,692	8.6
Not reported	1,802	15.0	3,824	18.1	33,333	16.9	43,795	19.2	51,856	14.4	1,210	26.0	135,820	16.5
<i>Breastfeeding women</i>	5,501		7,378		36,838		99,209		120,931		5,301		275,159	
Below CDC standard*	983	17.9	1,832	24.8	13,584	36.9	24,685	24.8	21,915	18.1	472	8.9	63,370	23.0
Not reported	387	7.0	1,623	22.0	4,795	13.0	28,430	28.7	9,536	7.9	4,016	75.8	48,787	17.7
<i>Postpartum women</i>	5,655		14,681		122,948		117,855		227,295		3,566		491,999	
Below CDC standard*	1,732	30.6	4,686	31.9	57,886	47.1	34,824	29.5	63,026	27.7	587	16.5	162,740	33.1
Not reported	440	7.8	4,139	28.2	11,191	9.1	32,579	27.6	15,647	6.9	2,392	67.1	66,388	13.5

Notes

Percent below each standard includes in denominators women for whom no data were reported so that the percentages reported here represent lower bounds. As noted in notes to Exhibits 5.41 and 5.42, estimates are additive.

*Centers for Disease Control. 1989 "CDC Criteria for Anemia in Children and Childbearing-Aged Women." *Morbidity and Mortality Weekly Report*, 38, 22: 401-404.

*Not reported indicates the number and percent of participants, by participant category, for whom data were not reported on blood measure or expected date of delivery.

Exhibit 5.44

Number and Percent of Anemic Child WIC Participants by Age at Time of Blood Measurement and Racial or Ethnic Characteristics

	American Indian or Alaskan Native		Asian or Pacific Islander		Black (non-Hispanic)		Hispanic		White (non-Hispanic)		Ethnicity Not Reported		Total Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by ethnic category													
<i>Children in ethnic category</i>	66,645		83,789		911,017		839,702		1,482,994		80,485		3,464,632	
<i>Total children</i>	66,645		83,789		911,017		839,702		1,482,994		80,485		3,464,632	
Below CDC standard ^a	7,278	10.9%	12,838	15.3%	217,045	23.8%	140,075	16.7%	189,278	12.8%	2,105	2.6%	588,619	16.4%
Not reported ^b	5,762	8.6	13,831	16.5	93,223	10.2	112,807	13.4	176,442	11.9	2,704	3.4	404,569	11.7
<i>One-year-old children</i>	22,858		36,807		376,493		351,143		590,837		6,130		1,384,269	
Below CDC standard ^a	2,804	12.3	5,153	14.0	78,605	20.9	53,998	15.4	74,706	12.6	783	12.8	216,051	15.6
Not reported ^b	2,025	8.9	6,277	17.1	49,157	13.1	54,026	15.4	72,796	12.3	1,312	21.4	185,592	13.4
<i>Two-year-old children</i>	17,279		20,717		225,196		217,222		367,559		3,775		851,747	
Below CDC standard ^a	2,388	13.8	4,311	20.8	66,175	29.4	44,274	20.4	58,221	15.8	675	17.9	176,044	20.7
Not reported ^b	1,466	8.5	3,360	16.2	19,927	8.8	26,558	13.1	43,051	11.7	693	18.4	97,056	11.4
<i>Three-year-old children</i>	15,355		14,307		183,968		163,957		307,597		2,728		687,913	
Below CDC standard ^a	1,380	9.0	2,238	15.6	46,276	25.2	27,836	17.0	37,802	12.2	442	16.2	115,776	16.8
Not reported ^b	1,343	8.7	2,460	17.2	15,439	8.4	19,050	11.6	36,275	11.8	430	15.8	74,998	10.9
<i>Four-year-old children</i>	10,648		9,147		116,964		102,421		199,263		1,658		440,101	
Below CDC standard ^a	706	6.6	1,136	12.4	25,988	22.2	13,964	13.6	18,749	9.4	204	12.3	60,748	13.8
Not reported ^b	927	8.7	1,734	19.0	8,700	7.4	10,973	10.7	24,319	12.2	269	16.2	46,922	10.7
<i>Age not reported^c</i>	506	0.8	2,810	3.4	8,396	0.9	4,958	0.6	17,737	1.2	66,195	82.2	100,602	2.9

Notes

Percent below each standard includes in denominators children for whom no data were reported so that the percentages reported here represent lower bounds. As noted in Exhibits 5.41, 5.42, and 5.43, estimates are additive.

Federal WIC regulations permit State and local agencies to dispense with hematological testing for infants under six months of age, as well as for children who are found to be within normal ranges at their last certification. However, blood tests should be performed on such children at least once in every twelve-month period.

^a Centers for Disease Control. 1989 "CDC Criteria for Anemia in Children and Childbearing-Aged Women." *Morbidity and Mortality Weekly Report*, 38, 22: 401-404.

^b Not reported indicates the number and percent of participants, by participant category, for whom data were not reported on blood measure.

^c Age not reported includes those participants for whom data were not reported on date of birth or certification date.

6. PRIORITY LEVELS

As described in Chapter One of this report, the WIC Program must operate within annual funding levels established by the Congress. The number of participants served by the program depends on the total funds available as well as on the allocation of these funds by FCS to individual States. For each local agency, a maximum caseload is determined based on the agency's funding level and predicted caseload turnover. When a local WIC agency reaches this maximum participation level within available funding, a system of priorities is followed in allocating caseload "slots" to eligible applicants. Some agencies maintain waiting lists of eligible applicants and, as WIC openings become available, fill them from their waiting lists.

FCS defined seven levels of priority for service provision in local agencies. These levels are based on applicant categorical status and type of nutritional risk condition. (See Exhibit 6.1.) In general, precedence is given to medically based nutritional risks over risks based only on inadequate diet. Further, higher priority levels are assigned to infants, pregnant women, and breastfeeding women. State agencies may create sub-priorities and may expand priority levels III, IV, or V to include high-risk postpartum women.

Priority level distribution by participant category is presented in Exhibit 6.2, and priority level distributions by age for infants and children appear in Exhibits 6.3 and 6.4.

It is worth noting here that, in 1994, States reported priority levels for 99 percent of WIC participants as compared with 1992 when priority was reported for 93.6 percent of WIC participants. Differences between priority distributions for 1992 and 1994 reflect the enrollment changes discussed in Chapter Two:

- Decrease in proportion of pregnant WIC enrollees can be seen in that fewer pregnant women are assigned to priority levels I and II.
- Similarly, the decreased proportion of infants enrolled in WIC is reflected in fewer infant assignments to priority levels I and II.
- Increase in WIC children can be seen in more enrollees assigned to priority levels III and V.

Exhibit 6.1

WIC Priorities

Priority	Description
I	Pregnant and breastfeeding women and infants, at nutritional risk as demonstrated by anthropometric or hematological assessment or by other documented nutritionally-related medical condition.
II	Infants up to six months of age of mothers who participated in WIC during pregnancy, or who would have been eligible to participate under Priority I documented medical condition. This priority may also be assigned to a breastfeeding mother of an infant who is classified as Priority II.
III	Children at nutritional risk, as demonstrated by anthropometric or hematological assessment of other documented medical condition. At State option, this priority can also include high-risk postpartum women.
IV	Pregnant and breastfeeding women and infants, at nutritional risk as demonstrated by inadequate dietary pattern. At State option, this priority can also include high-risk postpartum women.
V	Children at nutritional risk due to inadequate dietary pattern. At State option, this priority can also include high-risk postpartum women.
VI	Postpartum women, not breastfeeding, at nutritional risk on either medical or dietary criteria—unless assigned to higher priorities at State discretion.
VII	Previously certified participants likely to regress in nutritional status without continuation of supplemental foods.

Exhibit 6.2

Priority of All WIC Participants by Participant Category

Priority	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants ^a		Children		Total WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Percent by participant category														
I ^b	763,049	92.6%	242,699	88.2%	2,949	0.6%	1,008,696	63.4%	866,719	46.8%	19,690	0.6%	1,895,106	27.4%
II	40	0.0	13,163	4.8	195	0.0	13,399	0.8	896,999	48.4	11,183	0.3	921,581	13.3
III	32	0.0	10	0.0	211,598	43.0	211,640	13.3	631	0.0	2,364,009	68.2	2,576,280	37.3
IV	52,444	6.4	17,356	6.3	41,892	8.5	111,692	7.0	71,122	3.8	1,695	0.0	184,510	2.7
V	19	0.0	10	0.0	10,402	2.1	10,431	0.7	376	0.0	1,000,340	28.9	1,011,147	14.6
VI	66	0.0	372	0.1	198,501	40.3	198,939	12.5	1,105	0.1	19	0.0	200,063	2.9
VII	2,117	0.3	281	0.1	19,498	4.0	21,896	1.4	514	0.0	48,416	1.4	70,826	1.0
No priority reported	5,838	0.7	1,267	0.5	6,963	1.4	14,068	0.9	14,989	0.8	19,279	0.6	48,336	0.7
US WIC	823,605		275,159		491,999		1,590,762		1,852,455		3,464,632		6,907,849	

Notes

About 12.8 percent of one-year-old children are eleven-month-old infants who have been recertified as children. About 0.1 percent of WIC participants who are classified as infants are participants who are older than 366 days.

^a An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

^b A small proportion of postpartum women and children may not have had their State-level records or priorities updated on State-maintained management information systems when they were certified for WIC benefits in different certification categories.

Exhibit 6.3

Priority of Infant WIC Participants by Age at Certification

Priority	Age at Certification											
	0 - 3 Months		4 - 5 Months		6 - 8 Months		9 - 11 Months		Age Not Reported		Total Infants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by age group											
Infants in age group	1,560,607		56,988		132,524		47,625		54,711		1,852,455	
I	665,709	42.7	33,007	57.9	94,535	71.3	32,178	67.6	41,290	75.5	866,719	46.8
II	855,480	54.8	17,151	30.1	15,374	11.6	1,510	3.2	7,483	13.7	896,999	48.4
III	169	0.0	10	0.0	55	0.0	321	0.7	77	0.1	631	0.0
IV	31,380	2.0	5,983	10.5	21,562	16.3	8,933	18.8	3,264	6.0	71,122	3.8
V	65	0.0	4	0.0	23	0.0	252	0.5	32	0.1	376	0.0
VI	13	0.0	3	0.0	7	0.0	1,079	2.3	3	0.0	1,105	0.1
VII	229	0.0	74	0.1	74	0.1	34	0.1	103	0.2	514	0.0
No priority reported	7,562	0.5	755	1.3	893	0.7	3,318	7.0	2,460	4.5	14,989	0.8

Notes

An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

About 0.1 percent of WIC participants who are classified as infants are participants who are older than 366 days.

Exhibit 6.4

Priority of Child WIC Participants by Age at Certification

Priority	Age at Certification											
	1 Year*		2 Years		3 Years		4 Years		Age Not Reported		Total Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by age group											
Children in age group	1,384,269		851,747		687,913		440,101		100,602		3,464,632	
I ^b	19,112	1.4	157	0.0	153	0.0	117	0.0	152	0.2	19,690	0.6
II ^b	10,998	0.8	32	0.0	24	0.0	16	0.0	114	0.1	11,183	0.3
III	972,843	70.3	604,284	70.9	439,744	63.9	273,957	62.2	73,180	72.7	2,364,009	68.2
IV	1,552	0.1	33	0.0	38	0.0	38	0.0	34	0.0	1,695	0.0
V	331,565	24.0	242,850	28.5	244,483	35.5	163,493	37.1	17,948	17.8	1,000,340	28.9
VI	3	0.0	1	0.0	5	0.0	6	0.0	3	0.0	19	0.0
VII	41,168	3.0	1,842	0.2	1,720	0.3	1,316	0.3	2,369	2.4	48,416	1.4
No priority reported	7,027	0.5	2,547	0.3	1,745	0.3	1,158	0.3	6,802	6.8	19,279	0.6

Notes

* About 12.8 percent of one-year-old children are eleven-month-old infants who have been recertified as children.

^b Apparent inconsistencies between priorities I and II and certification as a child may be largely due to State-level automated procedures which routinely reassign infants as children at the age of 366 days without revising assigned priorities.

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7. CHARACTERISTICS OF MIGRANT FARMWORKER WIC PARTICIPANTS

The congressional mandate on biennial reporting for the WIC Program directs FCS to provide information on migrant farmworker families who receive WIC services. Federal regulations define a migrant farmworker as an individual whose principal employment is in agriculture on a seasonal basis, who has been so employed within the last twenty-four months, and who establishes, for the purposes of such employment, a temporary abode. As part of the Minimum Data Set, States report migrant status for all individuals enrolled in the WIC Program.

In April 1994, State WIC agencies recorded on their enrollment files 48,141 WIC participants who are members of migrant farmworker families. This group accounts for less than 1 percent of the almost six million Americans receiving WIC benefits—about the same proportion as reported in 1992. Nonetheless, in actual numbers, migrant farmworker WIC enrollment dramatically increased between 1992 and 1994, from 38,831 to 48,141—a 24.0 percent increase in WIC enrollees. Migrant participation in the WIC Program tends to be concentrated in a small number of States. In fact, half of the migrant WIC participants in April 1994 were enrolled in the WIC Program in Florida and Texas. See Exhibit 7.1. State-by-State tables appear in Appendix F.

It is useful to note here that most—seventy-eight of eighty-four—States provided information on migrant farmworker status for at least 99 percent of the individuals enrolled in their WIC programs. As a result, only 1.0 percent of the total number of individuals enrolled in WIC in April 1994 lack information on migrant farmworker status. It seems reasonable to assume that the information in this chapter is representative of migrant farmworker WIC participants.

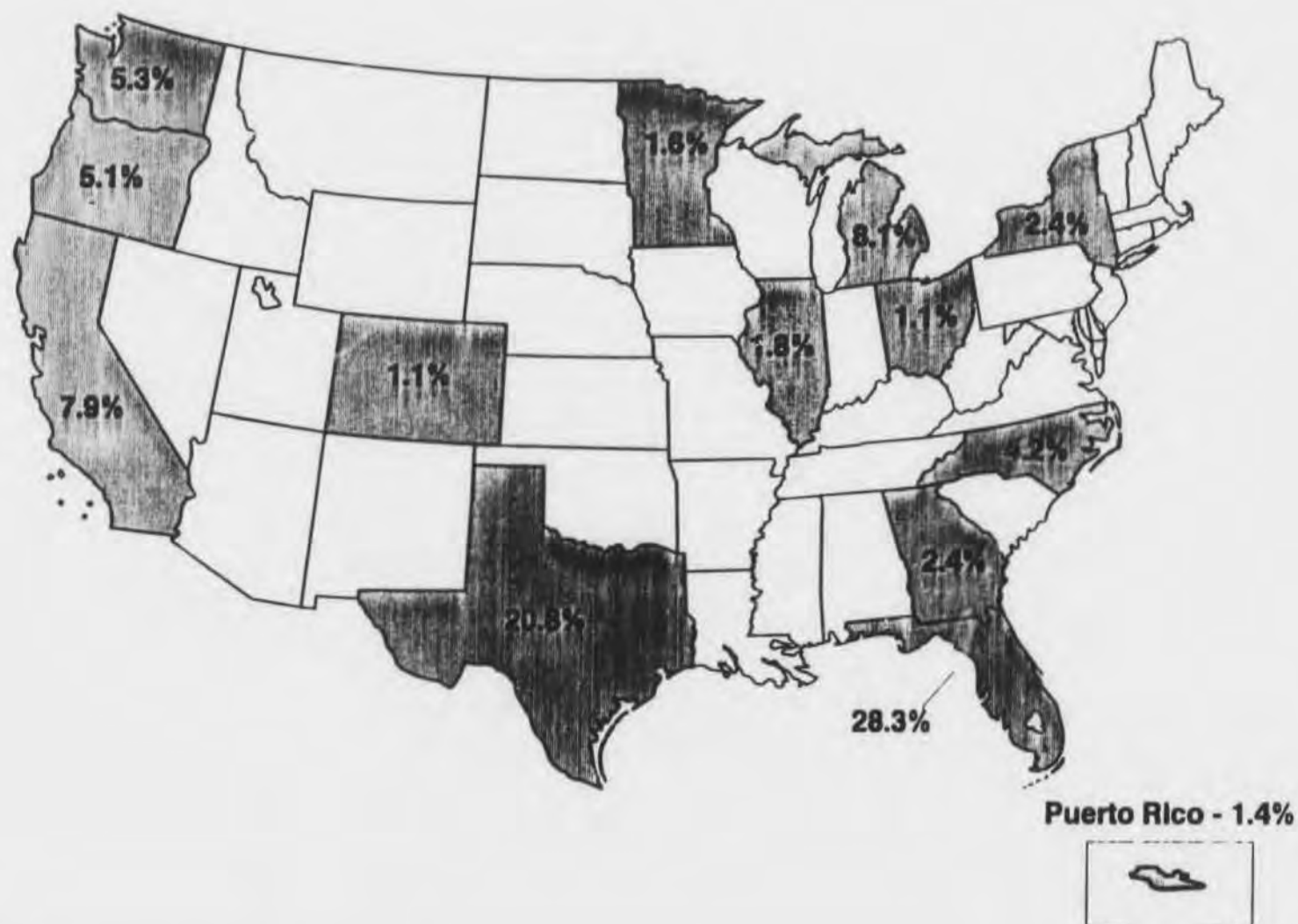
Exhibits 7.2 through 7.9 present information on the characteristics of migrant WIC enrollees. Similar to information reported, in earlier chapters, on total WIC enrollment, there are relatively fewer pregnant migrant WIC enrollees in 1994 (51.5 percent) than in 1992 (57.8 percent). Between 1992 and 1994, enrollment in WIC increased for breastfeeding migrant women and postpartum migrant women by 3.5 and 2.9 percentage points respectively. Similar to national WIC enrollment, the proportion of migrant infants enrolled in WIC decreased while the proportion of children increased.

In general, migrant women WIC enrollees appear to be slightly older than the general WIC population. However, as with total enrollment, a higher proportion of migrant infants aged zero to-three-months enrolled in WIC in 1994 (83.7 percent) than in 1992 (73.6 percent). The migrant WIC population also has lower average family income. Average income is 20 percent higher in the general WIC population than in the migrant WIC population, and 14 percent more migrant enrollees are at or below the poverty line. Biochemical risks are reported more frequently for migrant farmworkers than for the US WIC caseload.

The proportion of non-reporting on risk priority is almost five times higher for migrants than for the overall WIC population. However, when missing values are not considered, the priority distribution is essentially the same.

Exhibit 7.1

Distribution of Migrant Farmworker WIC Participants by State April 1994



Note

Percentages are based on total migrant WIC participation. States with less than 1 percent of the total WIC migrant population are not shown.

Exhibit 7.2

Distribution of Migrant Farmworker WIC Participants by WIC Participant Category and Age at Certification

Participant Category and Age at Certification	Migrant	Non-Migrant	Migrant Status Not Reported	Total WIC Participants
	Percent by participant category			
Pregnant women	5,768	809,187	8,650	823,605
Under 15 years	0.9	1.0	1.1	1.0
15 - 17 years	10.1	11.2	11.4	11.2
18 - 34 years	81.3	81.8	80.8	81.7
35 or more years	5.7	5.0	5.0	5.0
Age not reported	2.0	1.0	1.7	1.0
Breastfeeding women	2,327	269,628	3,204	275,159
Under 15 years	0.4	0.2	0.2	0.2
15 - 17 years	5.5	4.0	3.4	4.0
18 - 34 years	82.5	83.8	82.9	83.7
35 or more years	9.2	9.6	9.1	9.6
Age not reported	2.5	2.4	4.6	2.5
Postpartum women	3,112	484,270	4,616	491,999
Under 15 years	0.4	0.6	0.9	0.7
15 - 17 years	9.1	9.6	9.9	9.6
18 - 34 years	80.7	83.0	77.8	83.0
35 or more years	7.2	5.1	5.5	5.1
Age not reported	2.5	1.6	5.9	1.6
Total women	11,207	1,563,085	16,470	1,590,762
Under 15 years	0.7	0.8	0.9	0.8
15 - 17 years	8.9	9.5	9.4	9.5
18 - 34 years	81.4	82.5	80.3	82.5
35 or more years	6.9	5.8	5.9	5.8
Age not reported	2.2	1.4	3.4	1.5
Infants^a	9,302	1,821,453	21,700	1,852,455
0 - 3 months	83.7	84.2	88.5	84.2
4 - 5 months	5.0	3.1	3.5	3.1
6 - 8 months	6.0	7.2	4.4	7.2
9 - 12 months	2.1	2.6	0.6	2.6
Age not reported	3.2	3.0	3.0	3.0
Children	27,632	3,397,109	39,891	3,464,632
1 year	36.1	39.9	45.9	40.0
2 years	25.4	24.6	24.0	24.6
3 years	22.0	19.9	16.6	19.9
4 years	14.5	12.7	9.6	12.7
Age not reported	1.9	2.9	3.9	2.9
US WIC	48,141	6,781,647	78,061	6,907,849

Note

^a An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

Exhibit 7.3

Mean and Median Annualized Family or Economic Unit Income of WIC Participants by Participant Category and Migrant Status

	Pregnant Women	Breastfeeding Women	Postpartum Women	Total Women	Infants	Children	Total WIC
<i>Migrant Farmworkers</i>	5,768	2,327	3,112	11,207	9,302	27,632	48,141
Average (mean) income	\$7,931	\$8,461	\$7,350	\$7,882	\$8,015	\$8,087	\$8,027
Median income	\$7,488	\$7,800	\$6,600	\$7,280	\$7,560	\$7,644	\$7,500
Percent with income reported	85.3%	85.9%	84.8%	85.3%	81.2%	89.5%	86.9%
Percent with income reported as zero ^a	5.5	3.1	3.3	4.4	5.9	2.7	3.7
Percent with income not reported ^b	9.2	11.0	11.9	10.3	13.0	7.8	9.4
<i>Non-migrants</i>	809,187	269,628	484,270	1,563,085	1,821,453	3,397,109	6,781,647
Average (mean) income	\$9,004	\$11,023	\$9,196	\$9,413	\$9,290	\$9,976	\$9,669
Median income	\$7,800	\$9,612	\$7,764	\$8,040	\$7,800	\$8,232	\$7,992
Percent with income reported	82.3%	83.4%	84.8%	83.3%	80.8%	85.3%	83.6%
Percent with income reported as zero ^a	3.8	2.9	2.4	3.2	3.3	2.0	2.6
Percent with income not reported ^b	13.9	13.8	12.8	13.5	15.9	12.7	13.8
<i>Migrant status not reported</i>	8,650	3,204	4,616	16,470	21,700	39,891	78,061
Average (mean) income	\$11,224	\$13,711	\$10,611	\$11,546	\$12,256	\$12,455	\$12,212
Median income	\$9,852	\$12,376	\$8,400	\$10,020	\$10,320	\$10,400	\$10,348
Percent with income reported	73.8%	81.6%	83.7%	78.1%	73.7%	80.7%	78.2%
Percent with income reported as zero ^a	8.4	1.9	2.6	5.5	5.1	2.0	3.6
Percent with income not reported ^b	17.8	16.4	13.7	16.4	21.2	17.3	18.2
<i>US WIC</i>	823,605	275,159	491,999	159,0762	1,852,455	34,64632	6,907,849

Notes

State and local WIC agencies may collect data on weekly, monthly, or annual incomes. For reporting and analysis, annualized incomes have been computed.

Also note that income calculations include only those participants for whom State agencies reported data on income, income period, and size of economic unit.

In 1994, a State WIC agency could report actual income or could report an income range. Both types of data are included in the calculations of mean and median incomes.

^a Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. When entries of zero are included, the average income across all WIC participants is \$9,362.

^b Not reported indicates the percentage of participants by participant category for whom no data on income, income period, or size of economic unit are reported.

Exhibit 7.4
Distribution of Percent of Poverty Level of WIC Participants by Participant Category and Migrant Status

Percent of Poverty Level	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total Participants	
	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent	Percent	Cumulative Percent
Migrant														
0	0.5%	0.5%	1.0%	1.0%	0.7%	0.7%	0.7%	0.7%	0.4%	0.4%	0.9%	0.9%	0.8%	0.8%
1 - 50	38.6	39.2	40.2	41.2	49.5	50.3	42.0	42.7	43.0	43.4	49.9	50.9	46.7	47.5
51 - 100	32.4	71.5	35.4	76.6	27.1	77.4	31.5	74.2	30.2	73.6	30.9	81.8	30.9	78.4
101 - 130	7.9	79.5	5.6	82.2	4.6	81.9	6.5	80.7	4.9	78.6	4.9	86.7	5.3	83.7
131 - 150	2.9	82.3	1.5	83.7	1.5	83.4	2.2	82.9	1.3	79.8	1.4	88.1	1.5	85.3
151 - 185	2.7	85.0	1.2	84.8	1.3	84.7	2.0	84.9	1.2	81.1	1.2	89.3	1.4	86.7
186 - 200	0.1	85.1	0.0	84.9	0.0	84.7	0.0	84.9	0.0	81.1	0.1	89.3	0.0	86.7
201 - 225	0.2	85.2	0.1	85.0	0.0	84.7	0.1	85.0	0.0	81.1	0.0	89.4	0.1	86.8
226 - 250	0.0	85.3	0.0	85.0	0.0	84.7	0.0	85.1	0.0	81.1	0.0	89.4	0.0	86.8
Over 250	0.1	85.3	0.0	85.0	0.0	84.8	0.0	85.1	0.0	81.2	0.1	89.5	0.1	86.8
Income reported as zero ^a	5.5	90.8	2.9	87.9	3.3	88.1	4.3	89.5	5.9	87.0	2.7	92.2	3.7	90.6
Not reported ^b	9.2	100.0	12.1	100.0	11.9	100.0	10.5	100.0	13.0	100.0	7.8	100.0	9.4	100.0
Total WIC	5,768		2,327		3,112		11,207		9,302		27,632		48,141	
Non-Migrant														
0	0.6%	0.6%	0.3%	0.3%	0.7%	0.7%	0.6%	0.6%	0.7%	0.7%	0.5%	0.5%	0.5%	0.5%
1 - 50	30.6	31.2	28.5	28.8	37.5	38.2	32.4	32.9	36.8	37.4	38.8	37.2	35.8	36.3
51 - 100	27.8	58.9	29.5	58.3	27.4	65.6	27.9	60.9	26.4	63.8	28.6	65.9	27.9	64.2
101 - 130	11.0	70.0	12.4	70.6	10.1	75.7	11.0	71.9	9.3	73.1	10.1	75.9	10.1	74.2
131 - 150	5.5	75.5	5.7	76.3	4.5	80.3	5.3	77.1	3.9	77.0	4.6	80.6	4.6	78.8
151 - 185	5.8	81.4	5.1	81.4	4.0	84.3	5.1	82.3	3.4	80.4	4.3	84.9	4.3	83.1
186 - 200	0.3	81.6	0.1	81.5	0.2	84.5	0.2	82.5	0.1	80.5	0.1	85.0	0.1	83.2
201 - 225	0.3	81.9	0.1	81.6	0.2	84.6	0.2	82.7	0.1	80.6	0.1	85.1	0.1	83.4
226 - 250	0.2	82.1	0.1	81.7	0.1	84.7	0.1	82.8	0.1	80.7	0.1	85.2	0.1	83.4
Over 250	0.2	82.3	0.1	81.8	0.1	84.8	0.2	83.0	0.1	80.8	0.1	85.3	0.1	83.6
Income reported as zero ^a	3.8	86.1	2.5	84.4	2.4	87.2	3.1	86.1	3.3	84.1	2.0	87.3	2.6	86.2
Not reported ^b	13.9	100.0	15.6	100.0	12.8	100.0	13.9	100.0	15.9	100.0	12.7	100.0	13.8	100.0
Total WIC	809,187		269,628		484,270		1,563,085		1,821,453		3,397,109		6,781,647	

Exhibit 7.4 (continued)

Distribution of Percent of Poverty Level of WIC Participants by Participant Category and Migrant Status

Percent of Poverty Level	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total Participants		
	Percent	Cumulative	Percent	Cumulative	Percent	Cumulative	Percent	Cumulative	Percent	Cumulative	Percent	Cumulative	Percent	Cumulative	
		Percent		Percent		Percent		Percent		Percent		Percent		Percent	Percent
		Percent of total women						Percent by participant category							
<i>Migrant status not reported</i>															
0	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%	0.1%	0.1%	0.2%	0.2%	
1 - 50	23.0	23.2	20.1	20.4	38.8	39.1	26.9	27.1	29.4	29.7	31.5	31.6	30.0	30.1	
51 - 100	25.7	49.0	34.2	54.6	25.3	64.4	27.3	54.4	24.2	53.9	28.2	59.9	26.9	57.0	
101 - 130	10.7	59.6	14.9	69.6	10.6	75.0	11.5	65.9	10.9	64.8	10.8	70.7	11.0	68.0	
131 - 150	6.3	65.9	6.6	76.2	4.6	79.6	5.9	71.8	4.7	69.5	5.0	75.7	5.1	73.1	
151 - 185	6.9	72.9	4.9	81.1	3.6	83.2	5.6	77.4	3.9	73.3	4.7	80.3	4.7	77.8	
186 - 200	0.3	73.2	0.2	81.3	0.2	83.5	0.3	77.7	0.1	73.5	0.1	80.5	0.2	77.9	
201 - 225	0.3	73.5	0.2	81.5	0.2	83.6	0.2	77.9	0.1	73.5	0.1	80.6	0.1	78.1	
226 - 250	0.2	73.7	0.1	81.6	0.0	83.6	0.1	78.0	0.1	73.6	0.0	80.6	0.1	78.1	
Over 250	0.2	73.8	0.0	81.6	0.0	83.7	0.1	78.1	0.1	73.7	0.1	80.7	0.1	78.2	
Income reported as zero ^a	8.4	82.2	1.9	83.6	2.6	86.3	5.5	83.6	5.1	78.8	2.0	82.7	3.6	81.8	
Not reported ^b	17.8	100.0	16.4	100.0	13.7	100.0	16.4	100.0	21.2	100.0	17.3	100.0	18.2	100.0	
Total WIC		8,650		3,204		4,616		16,470		21,700		39,891		78,061	

Notes

Poverty level calculations are based on income, income period, and household size as reported by State WIC agencies. If percent of poverty is at .005 or below, it appears as zero (0) in this table.

^a Zero incomes are excluded from these income calculations. In 42 of 84 reporting agencies, zero may be used to indicate missing information so that PC94 cannot distinguish between households for whom States did not report income and households for whom States reported zero income. When entries of zero are included, the average income across all WIC participants is \$9,362.

^b Not reported indicates the percentage of participants by participant category for whom no data on income, income period, or size of economic unit are reported.

Exhibit 7.5

Nutritional Risks Reported in at Least 15 Percent of Migrant Farmworker WIC Participants by Participant Category

Participant Category and Type of Risk	Percent
<i>Pregnant Women</i>	5,768
General obstetrical risks	32.0
Hematocrit or hemoglobin below State standard	24.0
High weight for height	19.0
Inadequate or inappropriate nutrient intake	51.0
Inappropriate growth or weight gain pattern	32.0
<i>Breastfeeding Women</i>	2,327
Breastfeeding mother or infant dyad	31.0
General obstetrical risks	22.0
Hematocrit or hemoglobin below State standard	23.0
High weight for height	21.0
Inadequate or inappropriate nutrient intake	36.0
Other health risk	18.0
<i>Postpartum Women</i>	3,112
General obstetrical risks	23.0
Hematocrit or hemoglobin below State standard	29.0
Inadequate or inappropriate nutrient intake	45.0
Other health risk	29.0
<i>Infants</i>	9,302
Breastfeeding mother or infant dyad	21.0
Infant of a WIC-eligible mother or mother at risk during pregnancy	62.0
<i>Children</i>	27,632
Hematocrit or hemoglobin below State standard	25.0
High weight for height	16.0
Inadequate or inappropriate nutrient intake	58.0
Total	48,141

Note

These figures represent 15 percent or more of all migrant WIC participants in the participant category.

Exhibit 7.6

Number and Percent of Migrant Farmworker WIC Participants with Specific Nutritional Risks Reported by Participant Category

	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total Migrant WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by participant category													
<i>Participants in category</i>	5,768		2,327		3,112		11,207		9,302		27,632		48,141	
<i>Anthropometric</i>	2,902	50.3%	794	34.1%	744	23.9%	4,439	39.6%	1,510	16.2%	9,333	33.6%	15,282	31.7%
Low weight for height	256	4.4	43	1.8	77	2.5	375	3.3	203	2.2	840	3.0	1,418	2.9
High weight for height	1,116	19.3	489	21.0	396	12.7	2,001	17.9	436	4.7	4,449	16.1	6,885	14.3
Short stature	142	2.5	90	3.9	24	0.8	256	2.3	319	3.4	1,837	6.6	2,412	5.0
Inappropriate growth or weight gain pattern	1,822	31.6	266	11.4	310	10.0	2,398	21.4	313	3.4	2,858	10.3	5,569	11.6
Low birthweight or premature birth	0	0.0	0	0.0	0	0.0	0	0.0	411	4.4	106	0.4	517	1.1
Other anthropometric	30	0.5	9	0.4	0	0.0	39	0.3	98	1.1	25	0.1	162	0.3
<i>Biochemical</i>	1,437	24.9	560	24.1	951	30.6	2,948	26.3	834	9.0	7,297	26.4	11,078	23.0
Hematocrit or hemoglobin below State standard	1,385	24.0	528	22.7	909	29.2	2,822	25.2	814	8.8	6,902	25.0	10,538	21.9
Other biochemical test results which indicate nutritional abnormality	54	0.9	32	1.4	42	1.3	128	1.1	21	0.2	398	1.4	547	1.1
<i>Clinical, Health, Medical</i>	2,626	45.5	1,025	44.0	1,655	53.2	5,306	47.3	575	6.2	1,678	6.1	7,559	15.7
Pregnancy-induced conditions	88	1.1	26	1.1	31	1.0	123	1.1	0	0.0	0	0.0	123	0.3
Delivery of low-birthweight or premature infant	148	2.6	50	2.1	86	2.8	284	2.5	0	0.0	0	0.0	284	0.6
Prior stillbirth, miscarriage, spontaneous abortion, or neonatal death	133	2.3	76	3.3	68	2.2	277	2.5	0	0.0	0	0.0	277	0.6
General obstetrical risks	1,860	32.2	519	22.3	729	23.4	3,108	27.7	0	0.0	0	0.0	3,108	6.5
Nutrition-related risk conditions	198	3.4	118	5.0	112	3.6	428	3.8	168	1.8	741	2.7	1,335	2.8
Substance abuse	124	2.1	23	1.0	63	2.0	210	1.9	0	0.0	0	0.0	210	0.4
Other health risk	431	7.5	425	18.3	899	28.9	1,755	15.7	411	4.4	967	3.5	2,984	6.2
<i>Dietary</i>	2,939	51.0	840	36.1	1,428	45.9	5,207	46.5	1,160	12.5	16,413	59.4	22,779	47.3
Inadequate or inappropriate nutrient intake	2,916	50.8	830	35.7	1,404	45.1	5,150	46.0	1,032	11.1	15,999	57.9	22,181	46.1
Other dietary risk	29	0.5	13	0.6	25	0.8	67	0.6	154	1.7	685	2.5	907	1.9
<i>Other risk</i>	229	4.0	947	40.7	312	10.0	1,488	13.3	7,165	77.0	3,513	12.7	12,166	25.3
Regression	1	0.0	12	0.5	10	0.3	23	0.2	10	0.1	1,050	3.8	1,083	2.2
Transfer (nutrition risk unknown)	215	3.7	59	2.5	222	7.1	496	4.4	779	8.4	1,220	4.4	2,495	5.2
Breastfeeding mother or infant dyad	11	0.2	724	31.1	36	1.2	771	6.9	1,975	21.2	615	2.2	3,361	7.0
Infant of a WIC-eligible mother or mother at risk during pregnancy	0	0.0	181	7.8	22	0.7	203	1.8	5,795	62.3	585	2.1	6,583	13.7
Other nutritional risks	3	0.1	7	0.3	29	0.9	38	0.3	31	0.3	115	0.4	185	0.4
<i>No risk reported</i>	341	5.9	92	4.0	166	5.3	600	5.4	557	6.0	1,009	3.7	2,166	4.5

Notes

An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

In 1994, State WIC agencies could report up to three nutritional risks for each participant. This table examines all risks reported for every participant. When multiple risks within a classification are reported for one person, these risks are combined and counted one time in order to accurately calculate the number and percent of WIC participants with a specific type (or category) of risk.

Exhibit 7.7

Number and Percent of Anemic Migrant Farmworker WIC Participants by Participant Category

	Migrant WIC Participants	
	Number	Percent
Migrant WIC women		
Total women	11,207	
Below CDC standard ^a	2,020	18.0%
Not reported ^b	1,977	17.6
Pregnant women	5,768	
Below CDC standard ^a	480	8.3
Not reported ^b	1,159	20.1
Breastfeeding women	2,327	
Below CDC standard ^a	566	24.3
Not reported ^b	307	13.2
Postpartum women	3,112	
Below CDC standard ^a	974	31.3
Not reported ^b	510	16.4
Migrant WIC children		
Total children	27,632	
Below CDC standard ^a	5,759	20.8
Not reported ^b	2,592	9.4
One-year-old children	9,982	
Below CDC standard ^a	1,717	17.2
Not reported ^b	1,336	13.4
Two-year-old children	7,029	
Below CDC standard ^a	1,852	26.3
Not reported ^b	557	7.9
Three-year-old children	6,084	
Below CDC standard ^a	1,445	23.7
Not reported ^b	421	6.9
Four-year-old children	4,012	
Below CDC standard ^a	746	18.6
Not reported ^b	278	6.9
Age not reported	524	1.9

Notes

Percent below each standard includes in denominators WIC participants for whom no data were reported so that the percentages reported here represent lower bounds.

Federal WIC regulations permit State and local agencies to dispense with hematological testing for infants under six months of age, as well as for children who are found to be within normal ranges at their last certification. However, blood tests should be performed on such children at least once in every twelve-month period.

^a Centers for Disease Control. 1989 "CDC Criteria for Anemia in Children and Childbearing-Aged Women." *Morbidity and Mortality Weekly Report*. 38, 22: 401-404.

^b Not reported indicates the percentage of participants, by participant category, for whom data were not reported on blood measure or expected date of delivery.

Exhibit 7.8

Distribution of Infant and Child Migrant Farmworker WIC Participants According to Selected Anthropometric Measures

NCHS-CDC Percentiles ^a	Children			Date of Birth Not Reported
	Infants ^b	1 Year Old	2 or more Years	
		Percent by percentile ^c		
Weight for height^{d,e}				
<3rd percentile	1.6	1.6	0.8	0.8
<5th	3.6	2.5	1.6	1.6
<10th	6.2	5.5	3.9	2.2
>90th	8.8	23.7	15.1	11.4
>95th	4.8	14.6	9.7	7.6
>98th	3.7	11.5	7.7	5.3
Invalid or missing anthropometric data	35.5	9.0	5.2	54.7
Weight for age^{d,f}				
<3rd percentile	6.7	4.5	2.4	0.0
<5th	9.2	6.4	4.1	0.0
<10th	13.9	10.2	8.7	0.0
>90th	10.3	15.1	13.6	0.0
>95th	7.3	10.1	8.8	0.0
>98th	5.8	7.8	6.7	0.0
Invalid or missing anthropometric data	24.9	7.4	4.7	0.0
Height for age^{d,g,h}				
<3rd percentile	11.1	8.2	4.5	0.0
<5th	13.6	10.8	6.9	0.0
<10th	19.3	17.7	12.6	0.0
>90th	9.8	6.4	10.4	0.0
>95th	7.5	3.5	5.9	0.0
>98th	6.7	2.5	3.8	0.0
Invalid or missing anthropometric data	24.1	9.5	5.0	99.6
WIC Migrant Participants	9,302	9,982	17,125	523

Notes

Percentiles are calculated using software for pediatric anthropometry developed by the Centers for Disease Control and the World Health Organization. See: Sullivan M. and J. Gorstein. December 1990. *ANTHRO: Software for Calculating Pediatric Anthropometry Version 1.01*.

^a NCHS = National Center for Health Statistics. CDC = Centers for Disease Control and Prevention.

^b An infant is defined as a participant who, at certification, is under one year of age and who would be classified as a child at the age of 366 days.

^c Percentiles reported in this table are cumulative. For example the <5th category includes those infants in the <3rd percentile, and the >95th category includes those infants in the >98th percentile.

^d NCHS-CDC reference curves for one-to-two-year-old children are based on a sample of children from Yellow Springs, Ohio, who were measured by researchers at the Fels Research Institute. For children aged two or more, NCHS-CDC growth reference curves are based on a representative sample of US children.

^e It is assumed that height for an infant is recumbent length.

^f Age is calculated in months using birthdates and certification dates.

Exhibit 7.9

Priority of Migrant Farmworker WIC Participants by Participant Category

Priority	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total Migrant WIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent by participant category													
I	4,999	86.7%	2,009	86.3%	28*	0.9%	7,036	62.8%	4,231	45.5%	109*	0.4%	11,376	23.6%
II	0	0.0	86	3.7	0	0.0	86	0.8	4,327	46.5	30*	0.1	4,442	9.2
III	0	0.0	0	0.0	1,054	33.9	1,054	9.4	7*	0.1	17,052	61.7	18,112	37.6
IV	525	9.1	150	6.4	581	18.7	1,255	11.2	283	3.0	14*	0.1	1,552	3.2
V	1*	0.0	0	0.0	24	0.8	25	0.2	0	0.0	8,702	31.5	8,727	18.1
VI	0	0.0	12*	0.5	1,056	33.9	1,068	9.5	0	0.0	0	0.0	1,068	2.2
VII	64	1.1	34	1.5	208	6.7	306	2.7	70	0.8	1,216	4.4	1,592	3.3
<i>No priority reported</i>	179	3.1	36	1.5	162	5.2	377	3.4	385	4.1	508	1.8	1,271	2.6
<i>US WIC</i>	5,768		2,327		3,112		11,207		9,302		27,632		48,141	

Notes

In the migrant WIC population, about 11.9 percent of one-year-old children are eleven-month-old infants who have been recertified as children. Less than 0.1 percent of migrant WIC participants who are classified as infants are participants who are older than 366 days.

* A small proportion of participants may not have had their State-level records or priorities updated on State-maintained management information systems when they were certified for WIC benefits in different certification categories.

APPENDIX A

SUMMARY OF STATE PROGRAMS

OMB Clearance Number 0584-0426

Expiration Date May 1995

SUMMARY OF STATE PROGRAMS
STUDY OF WIC PARTICIPANT AND
PROGRAM CHARACTERISTICS

PC94

US DEPARTMENT OF AGRICULTURE
FOOD AND NUTRITION SERVICE

The following pages contain the reporting form for State WIC Agencies to use for the 1994 WIC Participant and Program Characteristics Study (PC94). This information is needed to describe State WIC Program operations for the PC94 report required by the Congress. Information is requested on certification, eligibility, and food packages. Please be sure that the information you provide applies to the PC94 reference month, which is **April 1994**.

The PC94 reporting form is essentially the same as the form used in 1992 except the attached form has been pre-coded with the data your State Agency provided in 1992.

- ⇒ For most of the questions, first review your 1992 data printed in the **RIGHT-HAND-SIDE BOX**. If you provided any written comments in 1992 in response to "Other/Specify" instructions, they are included in the Appendix at the end of this form. If there have been no changes since 1992, check the box labeled "No Changes" and proceed to the next question.
- ⇒ If **ANY** of the 1992 information no longer applies to your 1994 operations, fill in your complete 1994 information in the space provided, following instructions specific to that question. (You may need to repeat some of the 1992 data.)
- ⇒ For Questions A3, B1, and E1, the 1992 data are displayed differently or omitted. In these cases, please follow the specific instructions carefully.
- ⇒ Use a **RED** pen to write in all new information for PC94.

Please send your completed summary to:

Laurin Holst
PC94 Data Coordinator
Abt Associates Inc.
55 Wheeler Street
Cambridge, Massachusetts 02138

Summaries are due by **July 15, 1994**. An addressed, stamped envelope is enclosed. Please do not hesitate to call us if we can answer any questions or provide more information. Laurin's telephone number is (617) 349-2688.

Thank you for your cooperation.

SUBMITTED BY

NAME OF STATE WIC AGENCY

PC94 IDENTIFICATION NUMBER

Income Determination

A1. Describe the State Agency (SA) gross income limit for eligibility.

If different from the 1992 data, circle one number. Specify income, if appropriate.

SA uses the standard 185 percent of poverty guidelines published in the Federal Register 1

SA uses other standards (Specify) 2

<i>Economic Unit</i>	<i>Income Limit (gross per annum)</i>	<i>or</i>	<i>Percent of Poverty</i>
1 person	_____		_____
2 people	_____		
3 people	_____		
4 people	_____		
5 people	_____		
6 people	_____		
7 people	_____		
8 people	_____		
9 people	_____		

YOUR 1992 DATA

1.

2.

1.

2.

3.

4.

5.

6.

7.

8.

9.

☐ No Changes.

A2. What programs and/or respective income limits are used by the State Agency for adjunctive eligibility determinations?

If different from the 1992 data, provide complete information for 1994; circle the programs and specify the maximum percent of poverty allowed for those programs.

<i>Program</i>		<i>% of Poverty</i>
AFDC	1	_____
Food Stamp Program	2	130%
Medicaid	3	_____
SSI	4	_____
Reduced-Price School Lunch	5	185%
Free School Lunch	6	130%
Other Programs (SPECIFY)	7	_____
_____		_____
_____		_____

YOUR 1992 DATA

1.

2.

3.

4.

5.

6.

7.

☐ No Changes.

A3. Please provide your State Agency's definition or guidelines for determining income eligibility. Include the definition of economic unit.

This question may be answered by attaching a copy of your State's income policy definitions/guidelines.

A4. Does the State Agency *require* documentation of primary income sources (such as, wages and salaries)?

If different from the 1992 data, circle one number.

- Yes, the applicant must provide documentation 1
- No, applicant self-declares income for economic unit 2
- In some cases, local agencies have discretion with
regard to documentation 3
- Documentation is preferred in all cases, but it is
not required 4

YOUR 1992 DATA

1.

2.

3.

4.

☐ No Changes.

A5. Are local agencies *required* to contact others outside of the WIC Program to verify the accuracy of income documents supplied by applicants?

If different from the 1992 data, circle one number.

- Yes 1
- No 2

YOUR 1992 DATA

1.

2.

☐ No Changes.

Nutritional Risk Criteria

B1. Below, please provide the State Agency's standards for each participant category and priority level for the four nutritional risk criteria shown in Columns A,B, C, and D. If only hemoglobin values are used, complete Column A. If only hematocrit values are used, complete Column B.

NOTE For this question, your 1992 data are shown in brackets [] in the tables below. For any data that have changed, please cross out the 1992 value and write in the 1994 information in the spaces next to the brackets [], using a **RED PEN**. If your State provided special information in 1992, such as separate anemia criteria for differing altitudes, only an average value is displayed below. **If you apply more detailed criteria, please attach more detailed information.**

Priority Group	Participant Category	A	B	C	D
		Hemoglobin Value	Hematocrit Value	Prepregnancy Weight for Height	Prenatal Weight Gain
I	First-trimester pregnant women	Less than [] _____ grams OR less than or equal to [] _____ grams	Less than [] _____ % OR less than or equal to [] _____ %	[] _____ % over standard [] _____ % under standard	Less than recommended [] _____ lbs. per [] _____ More than recommended [] _____ lbs. per [] _____
I	Second-trimester pregnant women	Less than [] _____ grams OR less than or equal to [] _____ grams	Less than [] _____ % OR less than or equal to [] _____ %	[] _____ % over standard [] _____ % under standard	Less than recommended [] _____ lbs. per [] _____ More than recommended [] _____ lbs. per [] _____
I	Third-trimester pregnant women	Less than [] _____ grams OR less than or equal to [] _____ grams	Less than [] _____ % OR less than or equal to [] _____ %	[] _____ % over standard [] _____ % under standard	Less than recommended [] _____ lbs. per [] _____ More than recommended [] _____ lbs. per [] _____
I	Breastfeeding women	Less than [] _____ grams OR less than or equal to [] _____ grams	Less than [] _____ % OR less than or equal to [] _____ %	Current Weight for Height [] _____ % over standard [] _____ % under standard	N/A

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B1. (Continued)

Priority Group	Participant Category	A	B	C	D	E
		Hemoglobin Value	Hematocrit Value	Weight for Age	Height (length) for Age	Weight for Height (length)
I	Infants	Less than [] _____ grams OR less than or equal to [] _____ grams	Less than [] _____ % OR less than or equal to [] _____ %	[] _____ % over standard Over [] _____ percentile [] _____ % under standard Under [] _____ percentile	[] _____ % over standard Over [] _____ percentile [] _____ % under standard Under [] _____ percentile	[] _____ % over standard Over [] _____ percentile [] _____ % under standard Under [] _____ percentile
III	Children	<u>Ages less than 2 years</u> Less than [] _____ grams OR less than or equal to [] _____ grams <u>Ages 2 - 5 years</u> Less than [] _____ grams OR less than or equal to [] _____ grams	<u>Ages less than 2 years</u> Less than [] _____ % OR less than or equal to [] _____ % <u>Ages 2 - 5 years</u> Less than [] _____ % OR less than or equal to [] _____ %	[] _____ % over standard Over [] _____ percentile [] _____ % under standard Under [] _____ percentile	[] _____ % over standard Over [] _____ percentile [] _____ % under standard Under [] _____ percentile	[] _____ % over standard Over [] _____ percentile [] _____ % under standard Under [] _____ percentile
IV	Postpartum women (Non breast-feeding)	Less than [] _____ grams OR less than or equal to [] _____ grams	Less than [] _____ % OR less than or equal to [] _____ %	N/A	N/A	Current Weight for Height [] _____ % over standard [] _____ % under standard

B2. In your State, which of the procedures listed below best describes how nutritional risk criteria are documented on participants' certification forms?

If different from the 1992 data, circle one number.

The single most important criterion is recorded 1

All risk criteria are recorded 2

A set number of the more important criteria are recorded 3

SPECIFY NUMBER OF CRITERIA. _____

The most easily and quickly identifiable criteria are recorded 4

Local certifiers decide which criteria and how many criteria to record 5

Other (SPECIFY) 6

YOUR 1992 DATA

1.

2.

3.

4.

5.

6.

☐ No Changes.

B3. In your State, how many nutritional risk criteria are recorded on the automated WIC participant masterfile maintained by the State WIC Agency?

Number of criteria _____

Not applicable -9

YOUR 1992 DATA

-9

☐ No Changes.

B4. Is it your State's policy to obtain dietary intake information on all participants?

If different from the 1992 data, circle one number.

- Yes 1
- No, only those participants at risk due to dietary inadequacy 2
- Other (SPECIFY) 3
- _____
- _____

YOUR 1992 DATA

1.

2.

3.

☐ No Changes.

B5. What dietary intake methods are routinely used?

If there are any changes from the 1992 data, circle all numbers that apply in 1994.

- Twenty-four (24) hour recall 1
- Food frequency/food item checklist 2
- Dietary record or diary 3
- Computer-assisted analysis 4
- Other (SPECIFY) 5
- _____
- _____

YOUR 1992 DATA

1.

2.

3.

4.

5.

☐ No Changes.

Food Package Tailoring Practices

- C1. Does your State direct local agencies to prescribe only the maximum allowable Federal food package for each category of WIC participant?**

If different from the 1992 data, circle one number.

Yes (SKIP TO QUESTION C4.) 1
 No 2

YOUR 1992 DATA

1.
 2.
☐ No Changes.

- C2. What adjustments are routinely made to food packages to achieve administrative efficiencies?**

If there are any changes from the 1992 data, circle all numbers that apply in 1994.

Specific food brands are designated or disallowed
 (including generic brands) 1
 Specific food container sizes are designated 2
 Within a food group, the specific form of a food may
 be specified (powdered milk, juice concentrate, for example) . 3
 One or more specified food types may be eliminated
 from a food category (peanut butter, for example) 4
 Other methods (SPECIFY) 5

YOUR 1992 DATA

1.
 2.
 3.
 4.
 5.

☐ No Changes.

- C3. Does the State Agency allow competent professional authorities to tailor food packages for nutritional needs or participant preference?**

If different from the 1992 data, circle one number.

Yes (ANSWER QUESTION C3A.) 1
 No (SKIP TO QUESTION C4.) 2

YOUR 1992 DATA

1.
 2.
☐ No Changes.

C3A. What tailoring practices are routinely done to meet nutritional need or participant preference?

If there are any changes from the 1992 data, circle all numbers that apply in 1994.

- Type of milk is specified (to reduce fat, lactose, or calories, for example) 1
- Type of cheese is specified (to reduce fat) 2
- Type of cereal is specified (to reduce sucrose) 3
- Forms or types of formula are specified (ready-to-feed or powdered formula) 4
- Amounts of certain food types are reduced (to decrease caloric or nutrient intake or to control weight) 5
- Amounts of certain food types are reduced (for participant age-related needs) 6
- Quantity of eggs is decreased (to reduce cholesterol) 7
- A certain form of food is specified for the convenience of the participant (for example, powdered milk, juice concentrate) 8
- Other methods (SPECIFY) 9

YOUR 1992 DATA

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.

☐ No Changes.

C4. Does your State Agency provide a standard food instrument or food package type for local agency staff to use in prescribing a food package?

Please note that this question refers to general practices that are applied in States where State Agencies automatically generate food instruments. Issuance procedures may differ for automated versus manual food instruments.

If different from the 1992 data, circle one number.

- | | | |
|--|---|----|
| Yes, standard food packages are available for specific categories of participants | 1 | 1. |
| Yes, standard food instruments can be selected or combined to create food packages for participants | 2 | 2. |
| Yes, standard food instruments can be tailored by making choices of amounts or food types directly on each food instrument | 3 | 3. |
| No, standard food packages or food instruments are not used. Each food package prescription is individualized | 4 | 4. |
| Other methods of food package tailoring (SPECIFY) | 5 | 5. |

YOUR 1992 DATA

☐ No Changes.

Food Instrument Issuance

- D1. Does your State Agency establish a standard frequency of food instrument issuance? (The frequency of food instrument issuance is the supply—the number of months—of food instruments issued to any participant at any one time.)**

If different from the 1992 data, circle one number.

- Yes 1
No 2

D1A. Indicate issuance frequency(ies) below.

If different from the 1992 data, circle all numbers that apply.

- One (1) month 1
Two (2) months 2
Three (3) months 3
Other (SPECIFY) 4

YOUR 1992 DATA

1.

2.

1.

2.

3.

4.

☐ No Changes.

- D2. Specify the reason(s) for variation in the frequency of food instrument issuance. (The frequency of food instrument issuance is the supply—the number of months—of food instruments issued to any participant at any one time.)**

If there are any changes from the 1992 data, circle all numbers that apply in 1994.

- Certain participant categories must pick up food instruments more often 1
Certain high-risk participants must pick up food instruments more often 2
Congested local agencies issue food instruments less frequently 3
Local agencies may choose the frequency with which they issue food instruments 4
Other (SPECIFY) 5

All food instruments are issued with the same frequency 6

YOUR 1992 DATA

1.

2.

3.

4.

5.

6.

☐ No Changes.

Food Package Cost

- E1.** What is the total actual or estimated average monthly food package cost by participant category? We would prefer that you report actual cost for each of the five participant categories. Please report actual or estimated costs for the reference month of April 1994. (Your 1992 data for this question are not shown because food costs are likely to have changed.)

Actual food costs are total food expenditures divided by the number of participants who were **issued** food instruments.

Estimated costs represent the total estimated dollar amounts of particular types of food packages for the five participant categories. This cost is calculated using a "market basket" method. A "market basket" method uses food prices for a typical package of food for each participant category. For example, a package might contain twenty-one (21) quarts of milk at \$0.80, plus two (2) forty-six-ounce containers of juice at \$0.95, and so on. The costs of the individual items are totaled to arrive at an estimated cost for that particular food package.

	A <i>Actual Food Cost</i>	OR	B <i>Estimated Average Monthly Cost</i>
All Women	\$ _____		\$ _____
Pregnant Women	\$ _____		\$ _____
Breastfeeding Women	\$ _____		\$ _____
Postpartum Women	\$ _____		\$ _____
All Infants— before rebates*	\$ _____		\$ _____
All Infants—net after rebates*	\$ _____		\$ _____
Children	\$ _____		\$ _____
 Total Participants— before rebates	 \$ _____		 \$ _____
Total Participants—net after rebates	\$ _____		\$ _____

* **Please note** that we are asking you to provide two different food package costs for infants. One cost should **exclude** infant formula rebates; the second cost should **include** rebates.

THANK YOU . . .

. . . for your cooperation and participation in PC94.

FOR PC96 . . .

. . . we will offer you a choice of responses to the Summary of State Programs (SSP) . . .

- A printed, hard copy form like this one or
- A computer file of the SSP on a floppy disk.

To help us design the best forms for your State WIC Agency, please tell us . . .

. . . in 1996, what type of microcomputer (PC) system your State WIC Agency is likely to use. Check all that apply.

DOS	_____
Macintosh	_____
Windows	_____
OS/2	_____
Unix	_____
Other (Specify)	_____

THANK YOU AGAIN!

APPENDIX

Please review your written comments from the 1992 survey of state programs.

Question Answer Provided in 1992
Number

APPENDIX B

FOOD PACKAGES AND INSTRUMENT ISSUANCE STATE-BY-STATE TABLES

Number and Percent of WIC Participants by Participant Category by State

Region and State	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC Participants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent of total women						Percent of total participants							
US WIC	823,604	51.8	275,158	17.3	491,998	30.9	1,590,762	23.0	1,852,455	26.8	3,464,631	50.2	6,907,848	100.0
Northeast	90,601	57.1	32,147	20.3	35,998	22.7	158,748	20.3	211,274	27.1	41,0757	52.6	780,779	100.0
Connecticut	8,212	78.2	870	8.3	1,412	13.5	10,494	16.1	13,830	21.2	41,048	62.8	65,374	100.0
Maine	2,455	39.5	1,063	17.1	2,691	43.3	6,209	21.4	5,669	19.5	17,131	59.1	29,009	100.0
Massachusetts	12,071	47.1	5,098	19.9	8,483	33.1	25,652	20.2	29,428	23.2	71,903	56.6	126,983	100.0
New Hampshire	2,185	50.0	815	18.7	1,369	31.3	4,371	21.6	4,748	23.4	11,154	55.0	20,273	100.0
New York	61,732	58.8	23,225	22.1	20,067	19.1	105,024	20.9	149,893	29.8	248,354	49.3	503,271	100.0
Rhode Island	2,414	60.4	436	10.9	1,147	28.7	3,997	19.9	4,660	23.2	11,434	56.9	20,091	100.0
Vermont	1,486	51.0	618	21.2	808	27.7	2,912	19.1	2,946	19.3	9,416	61.6	15,274	100.0
Indian Township (ME)	9	45.0	5	25.0	6	30.0	20	19.2	26	25.0	58	55.8	104	100.0
Pleasant Point (ME)	8	38.1	6	28.6	7	33.3	21	20.6	14	13.7	67	65.7	102	100.0
Seneca Nation (NY)	29	61.7	11	23.4	7	14.9	47	15.8	59	19.9	191	64.3	297	100.0
Mid-Atlantic	97,377	53.8	30,071	16.6	53,534	29.6	180,983	19.4	239,969	25.8	510,510	54.8	931,463	100.0
Delaware	1,645	55.9	389	13.2	911	30.9	2,945	19.5	4,118	27.3	8,019	53.2	15,082	100.0
District of Columbia	1,911	40.5	842	17.9	1,960	41.6	4,713	22.2	6,352	29.9	10,162	47.9	21,227	100.0
Maryland	6,089	36.4	3,211	19.2	7,407	44.3	16,707	19.7	29,678	34.9	38,570	45.4	84,955	100.0
New Jersey	15,056	51.1	6,061	20.6	8,372	28.4	29,489	21.1	35,282	25.2	75,039	53.7	139,810	100.0
Pennsylvania	22,633	44.6	6,873	13.5	21,277	41.9	50,783	18.0	63,325	22.4	168,026	59.6	282,134	100.0
Puerto Rico	24,846	71.4	7,050	20.3	2,900	8.3	34,797	18.7	54,441	29.2	97,217	52.1	186,456	100.0
Virginia	17,544	58.0	4,042	13.4	8,685	28.7	30,271	20.9	30,942	21.4	83,443	57.7	144,656	100.0
Virgin Islands	503	55.2	345	37.9	63	6.9	911	14.8	1,436	23.3	3,808	61.9	6,155	100.0
West Virginia	7,150	69.0	1,258	12.1	1,959	18.9	10,367	20.3	14,395	28.2	26,226	51.4	50,988	100.0

Exhibit B.2.1A (continued)

Number and Percent of WIC Participants by Participant Category by State

Region and State	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC Participants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent of total women						Percent of total participants							
Southeast	184,580	61.5	29,681	9.9	86,022	28.6	300,284	22.3	375,310	27.8	672,735	49.9	1,348,320	100.0
Alabama	18,134	77.1	2,144	9.1	3,245	13.8	23,523	19.8	27,019	22.8	68,129	57.4	118,671	100.0
Florida	49,500	61.1	9,529	11.8	21,923	27.1	80,952	23.0	105,669	30.0	165,571	47.0	352,192	100.0
Georgia	27,970	66.7	4,070	9.7	9,912	23.6	41,952	20.0	50,221	24.0	117,458	56.0	209,631	100.0
Kentucky	16,167	58.9	1,675	6.1	9,614	35.0	27,456	22.6	30,965	25.5	62,981	51.9	121,402	100.0
Mississippi	12,821	62.3	1,266	6.1	6,507	31.6	20,594	18.5	32,981	29.7	57,646	51.8	111,221	100.0
North Carolina	24,569	55.6	4,744	10.7	14,845	33.6	44,158	24.9	51,291	28.9	82,229	46.3	177,678	100.0
South Carolina	16,871	54.2	2,984	9.6	11,251	36.2	31,107	24.4	36,519	28.6	59,854	47.0	127,480	100.0
Tennessee	18,377	60.7	3,225	10.6	8,684	28.7	30,286	23.5	40,328	31.3	58,087	45.1	128,701	100.0
Eastern Band—Cherokee (NC)	79	59.8	37	28.0	16	12.1	132	24.1	116	21.2	299	54.7	547	100.0
Mississippi Choctaw	80	72.7	5	4.5	25	22.7	110	17.4	160	25.2	364	57.4	634	100.0
Seminole Tribe (FL)	12	85.7	2	14.3	0	0.0	14	8.1	41	23.8	117	68.0	172	100.0
Midwest	104,994	46.0	32,975	14.4	90,376	39.6	228,345	20.9	254,683	23.3	608,688	55.8	1,091,716	100.0
Illinois	28,836	60.4	6,394	13.4	12,503	26.2	47,733	19.4	78,231	31.7	120,602	48.9	246,566	100.0
Indiana	14,538	41.8	4,376	12.6	15,841	45.6	34,755	22.4	40,852	26.3	79,639	51.3	155,246	100.0
Michigan	15,078	29.5	8,437	16.5	27,571	54.0	51,086	22.4	25,857	11.3	151,374	66.3	228,317	100.0
Minnesota	9,154	52.7	3,016	17.4	5,210	30.0	17,380	17.4	20,020	20.0	62,523	62.6	99,923	100.0
Ohio	27,744	49.8	6,801	12.2	21,190	38.0	55,735	22.0	63,933	25.3	133,286	52.7	252,954	100.0
Wisconsin	9,644	44.5	3,951	18.2	8,061	37.2	21,656	19.9	25,790	23.7	61,264	56.4	108,710	100.0

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Exhibit B.2.1A (continued)

Number and Percent of WIC Participants by Participant Category by State

Region and State	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC Participants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent of total women						Percent of total participants							
<i>Southwest</i>	126,051	52.2	30,173	12.5	85,316	35.3	241,540	24.5	264,172	26.7	482,007	48.8	987,720	100.0
Arkansas	10,431	48.9	1,434	6.7	9,465	44.4	21,330	25.1	15,874	18.7	47,723	56.2	84,927	100.0
Louisiana	28,197	72.1	2,222	5.7	8,692	22.2	39,111	28.4	48,997	35.6	49,610	36.0	137,718	100.0
New Mexico	9,111	59.3	3,533	23.0	2,716	17.7	15,360	23.2	15,877	24.0	34,857	52.7	66,094	100.0
Oklahoma	10,036	60.7	2,362	14.3	4,147	25.1	16,547	23.4	20,307	28.7	33,899	47.9	70,754	100.0
Texas	66,124	45.5	19,963	13.7	59,300	40.8	145,387	23.9	158,264	26.0	305,046	50.1	608,699	100.0
ACL (NM)	50	42.7	33	28.2	34	29.1	117	19.6	105	17.6	376	62.9	598	100.0
Cherokee Nation (OK)	796	59.6	216	16.2	324	24.3	1,336	19.4	2,045	29.7	3,502	50.9	6,883	100.0
Chickasaw Nation (OK)	205	45.8	71	15.8	172	38.4	448	20.7	550	25.4	1,165	53.9	2,163	100.0
Choctaw Nation (OK)	264	59.2	58	13.0	124	27.8	446	17.8	469	18.8	1,586	63.4	2,501	100.0
Citizen—Potawatomi (OK)	224	69.1	21	6.5	79	24.4	324	23.6	430	31.3	620	45.1	1,374	100.0
Eight Northern Pueblos (NM)	59	68.6	27	31.4	0	0.0	86	16.5	93	17.9	341	65.6	520	100.0
Five Sandoval Pueblos (NM)	48	40.3	35	29.4	36	30.3	119	22.0	80	14.8	342	63.2	541	100.0
ITC—Oklahoma	61	80.3	6	7.9	9	11.8	76	25.8	74	25.1	145	49.2	295	100.0
Otoe-Missouria (OK)	77	68.8	11	9.8	24	21.4	112	15.6	179	25.0	426	59.4	717	100.0
Pueblo of Isleta (NM)	43	52.4	19	23.2	20	24.4	82	20.0	78	19.0	250	61.0	410	100.0
Pueblo of San Felipe (NM)	13	27.7	20	42.6	14	29.8	47	14.4	56	17.2	223	68.4	326	100.0
Pueblo of Zuñi (NM)	44	29.5	67	45.0	38	25.5	149	17.2	148	17.1	570	65.7	867	100.0
Santo Domingo (NM)	18	35.3	17	33.3	16	31.4	51	14.2	65	18.1	243	67.7	359	100.0
WCD (OK)	249	60.4	57	13.8	106	25.7	412	20.9	480	24.3	1082	54.8	1,974	100.0

Exhibit B.2.1A (continued)

Number and Percent of WIC Participants by Participant Category by State

Region and State	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC Participants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent of total women						Percent of total participants							
<i>Mountain Plains</i>	54,179	45.4	24,751	20.8	40,349	33.8	119,281	23.3	124,887	24.4	267,807	52.3	511,977	100.0
Colorado	9,162	50.1	4,556	24.9	4,566	25.0	18,284	25.8	16,128	22.7	36,576	51.5	70,988	100.0
Iowa	5,716	48.1	1,686	14.2	4,481	37.7	11,883	19.6	12,348	20.3	36,539	60.1	60,770	100.0
Kansas	6,122	45.2	2,674	19.7	4,745	35.0	13,541	22.8	14,871	25.0	31,021	52.2	59,433	100.0
Missouri	15,380	42.3	5,459	15.0	15,520	42.7	36,359	25.1	40,190	27.8	68,182	47.1	144,731	100.0
Montana	2,354	58.7	1,467	36.6	185	4.6	4,008	18.4	5,553	25.6	12,171	56.0	21,734	100.0
Nebraska	3,334	47.3	1,344	19.1	2,373	33.7	7,051	19.8	8,433	23.7	20,058	56.4	35,542	100.0
North Dakota	1,698	49.1	588	17.0	1,172	33.9	3,458	20.5	3,509	20.8	9,863	58.6	16,830	100.0
South Dakota	2,004	45.3	901	20.3	1,523	34.4	4,428	21.8	4,549	22.4	11,318	55.8	20,295	100.0
Utah	6,654	40.2	5,213	31.5	4,699	28.4	16,566	25.5	15,741	24.3	32,603	50.2	64,910	100.0
Wyoming	1,262	46.4	655	24.1	801	29.5	2,718	24.5	2,494	22.5	5,892	53.1	11,104	100.0
Cheyenne River Sioux (SD)	53	42.1	22	17.5	51	40.5	126	18.2	139	20.1	426	61.6	691	100.0
NIITDC (NE)	82	71.9	11	9.6	21	18.4	114	17.7	155	24.1	375	58.2	644	100.0
Rosebud Sioux (SD)	145	49.8	85	29.2	61	21.0	291	18.7	288	18.5	974	62.7	1,553	100.0
Shoshone-Arapahoe (WY)	53	31.0	56	32.7	62	36.3	171	18.3	200	21.4	564	60.3	935	100.0
Standing Rock Sioux (ND)	110	64.0	14	8.1	48	27.9	172	16.0	125	11.6	780	72.4	1,077	100.0
Three Affiliated (ND)	36	41.4	11	12.6	40	46.0	87	15.4	116	20.5	362	64.1	565	100.0
Ute Mountain Ute (CO)	14	58.3	9	37.5	1	4.2	24	13.7	48	27.4	103	58.9	175	100.0

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Exhibit B.2.1A (continued)

Number and Percent of WIC Participants by Participant Category by State

Region and State	Pregnant Women		Breastfeeding Women		Postpartum Women		Total Women		Infants		Children		Total WIC Participants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Percent of total women						Percent of total participants							
Western	165,819	45.9	95,358	26.4	100,400	27.8	361,578	28.8	382,158	30.4	512,124	40.8	1,255,861	100.0
Alaska	2,022	52.0	1,314	33.8	555	14.3	3,891	22.8	4,344	25.5	8,811	51.7	17,046	100.0
Arizona	12,166	50.0	6,231	25.6	5,938	24.4	24,335	26.5	30,034	32.7	37,601	40.9	91,970	100.0
California	109,213	42.3	67,967	26.3	80,856	31.3	258,037	30.6	269,368	32.0	314,553	37.4	841,960	100.0
Guam	428	36.8	159	13.7	576	49.5	1,164	22.1	1,523	28.9	2,591	49.1	5,280	100.0
Hawaii	2,477	44.8	1,130	20.5	1,918	34.7	5,527	22.1	6,920	27.7	12,520	50.1	24,969	100.0
Idaho	3,801	52.5	1,624	22.4	1,811	25.0	7,236	21.7	6,727	20.1	19,445	58.2	33,408	100.0
Nevada	3,018	45.6	1,304	19.7	2,296	34.7	6,618	25.5	6,901	26.6	12,454	47.9	25,273	100.0
Oregon	9,999	50.9	5,467	27.8	4,168	21.2	19,634	25.5	15,774	20.5	41,589	54.0	76,997	100.0
Washington	20,090	68.3	8,389	28.5	932	3.2	29,411	27.8	34,494	31.7	44,813	41.2	108,718	100.0
ITC—Arizona	1,005	51.0	436	22.1	529	26.9	1,970	21.5	2,017	22.0	5,178	56.5	9,165	100.0
ITC—Nevada	94	63.1	18	12.1	37	24.8	149	17.5	157	18.4	545	64.0	851	100.0
Navajo Nation (AZ)	1,505	41.7	1,317	36.5	783	21.7	3,605	18.5	3,897	20.0	12,022	61.6	19,524	100.0

Note

Because of errors in the data submitted by the State of Michigan, readers should assume that Michigan's numbers for pregnant women and infants are underestimated while numbers of postpartum women and one-year-old children are overestimated. These inaccuracies have little effect on national estimates for PC94—a maximum of 1.0 percent error. They much more significantly distort reported enrollment for Michigan. It is impossible to accurately revise Michigan's submission. However, it is likely that pregnant women comprise 43.3 percent of all women enrolled in WIC in Michigan and postpartum women account for 40.5 percent of Michigan's women WIC enrollees. Similarly, it is estimated that infants account for 21.4 percent of Michigan's WIC enrollees with children at 56.4 percent.

Exhibit B.2.2A-1

Food Package Adjustment Practices Used by States

State	Only Maximum Federal Food Package	Designation or Disallowance of Food Brands	Specification of Size of Food Container	Elimination of Specified Food Types	Specified Form of Food Within Food Group	Other Methods
Northeast						
Connecticut		✓	✓	✓	✓	
Maine		✓	✓		✓	
Massachusetts		✓	✓		✓	
New Hampshire		✓	✓	✓	✓	
New York		✓	✓		✓	
Rhode Island		✓	✓		✓	
Vermont		✓	✓		✓	
Indian Township (ME)				✓		
Pleasant Point (ME)				✓	✓	
Seneca Nation (NY)						✓
Mid-Atlantic						
Delaware		✓	✓		✓	
District of Columbia						✓
Maryland		✓	✓		✓	
New Jersey		✓	✓			
Pennsylvania		✓	✓			
Puerto Rico			✓	✓		
Virginia		✓	✓		✓	
Virgin Islands		✓	✓	✓	✓	✓
West Virginia		✓	✓		✓	

Food Package Adjustment Practices Used by States

State	Only Maximum Federal Food Package	Designation or Disallowance of Food Brands	Specification of Size of Food Container	Elimination of Specified Food Types	Specified Form of Food Within Food Group	Other Methods
Southeast						
Alabama						
Florida		✓	✓			✓
Georgia			✓		✓	
Kentucky		✓	✓		✓	
Mississippi						✓
North Carolina		✓	✓		✓	
South Carolina		✓	✓			
Tennessee		✓	✓	✓	✓	✓
Eastern Band-Cherokee (NC)			✓		✓	
Mississippi Choctaw		✓	✓	✓	✓	
Seminole Tribe (FL)		✓	✓	✓	✓	
Midwest						
Illinois		✓	✓	✓	✓	
Indiana		✓	✓	✓	✓	✓
Michigan		✓	✓		✓	
Minnesota		✓	✓	✓	✓	✓
Ohio		✓	✓	✓	✓	
Wisconsin		✓	✓		✓	✓

Exhibit B.2.2A-1 (continued)

Food Package Adjustment Practices Used by States

State	Only Maximum Federal Food Package	Designation or Disallowance of Food Brands	Specification of Size of Food Container	Elimination of Specified Food Types	Specified Form of Food Within Food Group	Other Methods
<i>Southwest</i>						
Arkansas		✓	✓	✓	✓	✓
Louisiana		✓	✓	✓	✓	✓
New Mexico		✓	✓		✓	
Oklahoma		✓	✓		✓	✓
Texas						✓
ACL WIC (NM)		✓		✓		
Cherokee Nation (OK)		✓	✓		✓	
Chickasaw Nation (OK)		✓	✓	✓	✓	
Choctaw Nation (OK)			✓		✓	
Citizen-Potawatomi (OK)		✓	✓	✓	✓	
Eight Northern Pueblos (NM)			✓	✓	✓	
Five Sandoval Pueblos (NM)		✓	✓		✓	
ITC-Oklahoma		✓	✓	✓	✓	
Otoe-Missouria (OK)						✓
Pueblo of Isleta (NM)					✓	
Pueblo of San Felipe (NM)						✓
Pueblo of Zuni (NM)			✓		✓	
Santo Domingo (NM)		✓	✓			
WCD (OK)		✓	✓		✓	

Food Package Adjustment Practices Used by States

State	Only Maximum Federal Food Package	Designation or Disallowance of Food Brands	Specification of Size of Food Container	Elimination of Specified Food Types	Specified Form of Food Within Food Group	Other Methods
<i>Mountain Plains</i>						
Colorado		✓	✓		✓	
Iowa		✓	✓		✓	
Kansas		✓	✓	✓	✓	
Missouri		✓	✓	✓	✓	✓
Montana		✓	✓	✓	✓	
Nebraska		✓	✓	✓	✓	
North Dakota		✓	✓			
South Dakota		✓	✓			
Utah						✓
Wyoming		✓	✓		✓	✓
Cheyenne River Sioux (SD)		✓				
NIITDC (NE)		✓	✓			
Rosebud Sioux (SD)		✓		✓		
Shoshone-Arapahoe (WY)						✓
Standing Rock Sioux (ND)			✓		✓	
Three Affiliated (ND)	Yes					
Ute Mountain Ute (CO)		✓	✓	✓	✓	

Exhibit B.2.2A-1 (continued)

Food Package Adjustment Practices Used by States

State	Only Maximum Federal Food Package	Designation or Disallowance of Food Brands	Specification of Size of Food Container	Elimination of Specified Food Types	Specified Form of Food Within Food Group	Other Methods
Western						
Alaska		✓	✓		✓	
Arizona		✓	✓	✓		✓
California		✓	✓		✓	
Guam	Yes					
Hawaii		✓	✓	✓	✓	
Idaho		✓	✓		✓	
Nevada			✓		✓	
Oregon		✓	✓	✓	✓	
Washington		✓				
ITC-Arizona		✓		✓	✓	
ITC-Nevada	Yes					
Navajo Nation (AZ)		✓	✓	✓	✓	✓

Note

Reporting State WIC agencies were asked to list every type of adjustment used by WIC staff. Four State agencies report prescribing only the maximum allowable federal food package without any nutritional adjustments.

Food Package Tailoring Practices Used by States

State	Type of Milk	Type of Cheese	Reduced Sucrose Content in Cereal	Form or Type of Formula	Reduced Amounts of Calories or Nutrients	Reduced Amounts of Food Types	Decreased Quantity of Eggs	Form of Food	Other Tailoring Methods
<i>Northeast</i>									
Connecticut	✓			✓	✓			✓	
Maine	✓			✓	✓	✓		✓	✓
Massachusetts	✓			✓	✓	✓	✓	✓	
New Hampshire	✓			✓		✓		✓	
New York	✓			✓		✓	✓	✓	✓
Rhode Island				✓		✓	✓	✓	
Vermont	✓		✓	✓	✓	✓	✓	✓	
Indian Township (ME)									
Pleasant Point (ME)									
Seneca Nation (NY)								✓	
<i>Mid-Atlantic</i>									
Delaware	✓			✓				✓	✓
District of Columbia	✓	✓		✓	✓	✓	✓	✓	✓
Maryland				✓		✓		✓	
New Jersey	✓	✓		✓	✓	✓	✓		
Pennsylvania	✓			✓		✓		✓	
Puerto Rico	✓	✓		✓	✓	✓	✓	✓	
Virginia	✓			✓	✓	✓	✓	✓	✓
Virgin Islands	✓	✓		✓	✓	✓		✓	
West Virginia	✓			✓	✓	✓	✓	✓	

Exhibit B.2.2A-2 (continued)

Food Package Tailoring Practices Used by States

State	Type of Milk	Type of Cheese	Reduced Sucrose Content in Cereal	Form or Type of Formula	Reduced Amounts of Calories or Nutrients	Reduced Amounts of Food Types	Decreased Quantity of Eggs	Form of Food	Other Tailoring Methods
<i>Southeast</i>									
Alabama	✓	✓		✓	✓	✓		✓	
Florida	✓			✓	✓	✓		✓	
Georgia	✓		✓	✓				✓	
Kentucky	✓	✓	✓	✓		✓	✓	✓	✓
Mississippi				✓	✓	✓		✓	
North Carolina				✓				✓	
South Carolina	✓			✓		✓		✓	✓
Tennessee	✓	✓		✓				✓	
Eastern Band-Cherokee (NC)	✓			✓	✓	✓		✓	
Mississippi Choctaw	✓			✓	✓			✓	
Seminole Tribe (FL)	✓		✓	✓		✓		✓	
<i>Midwest</i>									
Illinois	✓			✓	✓	✓	✓	✓	
Indiana	✓			✓		✓	✓	✓	✓
Michigan	✓			✓	✓	✓		✓	
Minnesota				✓		✓	✓	✓	
Ohio	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wisconsin	✓			✓	✓	✓		✓	✓

Food Package Tailoring Practices Used by States

State	Type of Milk	Type of Cheese	Reduced Sucrose Content in Cereal	Form or Type of Formula	Reduced Amounts of Calories or Nutrients	Reduced Amounts of Food Types	Decreased Quantity of Eggs	Form of Food	Other Tailoring Methods
<i>Southwest</i>									
Arkansas	✓			✓		✓		✓	✓
Louisiana				✓	✓				✓
New Mexico	✓		✓	✓	✓			✓	
Oklahoma	✓	✓		✓	✓	✓		✓	✓
Texas									✓
ACL WIC (NM)	✓	✓		✓		✓			
Cherokee Nation (OK)	✓	✓		✓	✓	✓	✓	✓	✓
Chickasaw Nation (OK)	✓	✓		✓	✓	✓		✓	
Choctaw Nation (OK)	✓			✓		✓			
Citizen-Potawatomie (OK)	✓	✓		✓				✓	
Eight Northern Pueblos (NM)								✓	
Five Sandoval Pueblos (NM)	✓			✓					✓
ITC-Oklahoma	✓	✓	✓	✓	✓	✓		✓	
Otoe-Missouria (OK)				✓					✓
Pueblo of Isleta (NM)	✓			✓	✓				
Pueblo of San Felipe (NM)	✓	✓		✓	✓				
Pueblo of Zuni (NM)	✓	✓		✓	✓	✓		✓	
Santo Domingo (NM)	✓					✓		✓	
WCD (OK)	✓			✓				✓	

Exhibit B.2.2A-2 (continued)

Food Package Tailoring Practices Used by States

State	Type of Milk	Type of Cheese	Reduced Sucrose Content in Cereal	Form or Type of Formula	Reduced Amounts of Calories or Nutrients	Reduced Amounts of Food Types	Decreased Quantity of Eggs	Form of Food	Other Tailoring Methods
<i>Mountain Plains</i>									
Colorado	✓			✓	✓	✓		✓	✓
Iowa	✓			✓			✓	✓	✓
Kansas				✓	✓			✓	
Missouri	✓			✓		✓			
Montana	✓			✓		✓		✓	✓
Nebraska	✓			✓	✓	✓	✓	✓	✓
North Dakota	✓					✓		✓	
South Dakota	✓			✓	✓	✓		✓	
Utah				✓	✓	✓		✓	
Wyoming	✓			✓	✓	✓		✓	✓
Cheyenne River Sioux (SD)	✓			✓	✓	✓		✓	
NIITDC (NE)				✓					✓
Rosebud Sioux (SD)	✓	✓		✓	✓			✓	
Shoshone-Arapahoe (WY)	✓	✓							
Standing Rock Sioux (ND)	✓	✓		✓		✓		✓	
Three Affiliated (ND)				✓					
Ute Mountain Ute (CO)	✓			✓	✓			✓	

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Food Package Tailoring Practices Used by States

State	Type of Milk	Type of Cheese	Reduced Sucrose Content in Cereal	Form or Type of Formula	Reduced Amounts of Calories or Nutrients	Reduced Amounts of Food Types	Decreased Quantity of Eggs	Form of Food	Other Tailoring Methods
<i>Western</i>									
Alaska	✓	✓	✓	✓	✓	✓	✓	✓	
Arizona	✓	✓		✓				✓	
California					✓	✓			✓
Guam									
Hawaii				✓		✓		✓	
Idaho	✓	✓		✓		✓		✓	
Nevada				✓	✓	✓		✓	
Oregon	✓			✓	✓	✓	✓	✓	
Washington				✓				✓	
ITC-Arizona	✓	✓		✓	✓			✓	
ITC-Nevada				✓	✓	✓		✓	
Navajo Nation (AZ)	✓	✓		✓				✓	

Note

Reporting State WIC agencies were asked to list all types of food package tailoring practices used in their WIC programs.

Exhibit B.2.3A

Standard Food Packages and Related Tailoring Practices Used by States

State	Standard Food Packages . . .				Other Methods of Tailoring
	For Specific Categories of Participants	Are Modified to Create Food Packages	Are Modified by Choosing Amounts or Food Types	Are Not Used	
<i>Northeast</i>					
Connecticut	✓				
Maine	✓				
Massachusetts				✓	
New Hampshire	✓				
New York	✓				
Rhode Island		✓			
Vermont					✓ ^a
Indian Township (ME)				✓	
Pleasant Point (ME)	✓				
Seneca Nation (NY)				✓	

Note

* Standard packages are available, but actual food items and quantities must be entered in the master file before food instruments are generated.

Exhibit B.2.3A (continued)

Standard Food Packages and Related Tailoring Practices Used by States

State	Standard Food Packages . . .				Other Methods of Tailoring
	For Specific Categories of Participants	Are Modified to Create Food Packages	Are Modified by Choosing Amounts or Food Types	Are Not Used	
<i>Mid-Atlantic</i>					
Delaware			✓		
District of Columbia		✓			
Maryland	✓				
New Jersey					✓ ^b
Pennsylvania	✓				
Puerto Rico				✓	
Virginia		✓			
Virgin Islands		✓			
West Virginia			✓		

Note

^b Participants receive standard packages on manual pre-printed checks for the first three months. The next three months are computer-generated and individually tailored.

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix B

Exhibit B.2.3A (continued)

Standard Food Packages and Related Tailoring Practices Used by States

State	Standard Food Packages . . .				Other Methods of Tailoring
	For Specific Categories of Participants	Are Modified to Create Food Packages	Are Modified by Choosing Amounts or Food Types	Are Not Used	
<i>Southeast</i>					
Alabama				✓	
Florida	✓				
Georgia			✓		
Kentucky	✓				
Mississippi					✓ ^c
North Carolina	✓				
South Carolina			✓		
Tennessee	✓				
Eastern Band-Cherokee (NC)	✓				
Mississippi Choctaw	✓				
Seminole Tribe (FL)			✓		
<i>Midwest</i>					
Illinois	✓				
Indiana	✓				
Michigan	✓				
Minnesota				✓	
Ohio		✓			
Wisconsin				✓	

Note

^c Standard packages are available, but professionals are encouraged to tailor to the individual.

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Exhibit B.2.3A (continued)

Standard Food Packages and Related Tailoring Practices Used by States

State	Standard Food Packages . . .				Other Methods of Tailoring
	For Specific Categories of Participants	Are Modified to Create Food Packages	Are Modified by Choosing Amounts or Food Types	Are Not Used	
<i>Southwest</i>					
Arkansas			✓		
Louisiana			✓		
New Mexico			✓		
Oklahoma			✓		
Texas	✓				
ACL WIC (NM)			✓		
Cherokee Nation (OK)			✓		
Chickasaw Nation (OK)			✓		
Choctaw Nation (OK)	✓				
Citizen-Potawatomi (OK)	✓				
Eight Northern Pueblos (NM)			✓		
Five Sandoval Pueblos (NM)			✓		
ITC-Oklahoma			✓		
Otoe-Missouria (OK)	✓				
Pueblo of Isleta (NM)			✓		
Pueblo of San Felipe (NM)					✓ ¹
Pueblo of Zuni (NM)			✓		
Santo Domingo (NM)			✓		
WCD (OK)	✓				

Note

^a Food is distributed by the WIC office; the package can be tailored by changing types and amounts of food

Exhibit B.2.3A (continued)

Standard Food Packages and Related Tailoring Practices Used by States

State	Standard Food Packages . . .				Other Methods of Tailoring
	For Specific Categories of Participants	Are Modified to Create Food Packages	Are Modified by Choosing Amounts or Food Types	Are Not Used	
<i>Mountain Plains</i>					
Colorado	✓				
Iowa				✓	
Kansas	✓				
Missouri	✓				
Montana			✓		
Nebraska		✓			
North Dakota					✓
South Dakota				✓	
Utah	✓				
Wyoming	✓				
Cheyenne River Sioux (SD)			✓		
NIITDC (NE)	✓				
Rosebud Sioux (SD)	✓				
Shoshone-Arapahoe (WY)	✓				
Standing Rock Sioux (ND)	✓				
Three Affiliated (ND)	✓				
Ute Mountain Ute (CO)			✓		

Note

* A food package tailoring guide is issued by the State office for local agency use. North Dakota issues manual instruments.

Exhibit B.2.3A (continued)

Standard Food Packages and Related Tailoring Practices Used by States

State	Standard Food Packages . . .				Other Methods of Tailoring
	For Specific Categories of Participants	Are Modified to Create Food Packages	Are Modified by Choosing Amounts or Food Types	Are Not Used	
<i>Western</i>					
Alaska	✓				
Arizona	✓				
California	✓				
Guam	✓				
Hawaii			✓		
Idaho		✓			
Nevada				✓	
Oregon	✓				
Washington			✓		
ITC-Arizona	✓				
ITC-Nevada	✓				
Navajo Nation (AZ)	✓				

Exhibit B.2.4A-1

Frequency of WIC Food Instrument Issuance by State

State	Standard Issuance Frequency		Issuance Frequencies			
	Yes	No	One Month	Two Months	Three Months	Other
<i>Northeast</i>						
Connecticut	✓		✓	✓		
Maine	✓		✓	✓		
Massachusetts	✓		✓	✓	✓	
New Hampshire	✓		✓	✓	✓	
New York	✓			✓		
Rhode Island	✓		✓	✓		
Vermont	✓		✓			
Indian Township (ME)	✓		✓			
Pleasant Point (ME)		✓				
Seneca Nation (NY)	✓					✓
<i>Mid-Atlantic</i>						
Delaware	✓		✓			
District of Columbia	✓			✓		
Maryland	✓			✓		
New Jersey	✓				✓	
Pennsylvania	✓			✓		
Puerto Rico	✓		✓			
Virginia	✓			✓		
Virgin Islands	✓		✓			
West Virginia	✓			✓		

Frequency of WIC Food Instrument Issuance by State

State	Standard Issuance Frequency		Issuance Frequencies			
	Yes	No	One Month	Two Months	Three Months	Other
Southeast						
Alabama	✓		✓	✓		
Florida		✓	✓	✓		
Georgia	✓		✓	✓		
Kentucky	✓					✓
Mississippi	✓					✓
North Carolina	✓			✓		
South Carolina	✓			✓		
Tennessee	✓				✓	
Eastern Band-Cherokee (NC)	✓			✓		
Mississippi Choctaw	✓		✓			
Seminole Tribe (FL)	✓					✓
Midwest						
Illinois	✓				✓	
Indiana	✓		✓	✓		
Michigan		✓	✓	✓	✓	
Minnesota	✓		✓	✓		
Ohio	✓				✓	
Wisconsin		✓	✓	✓		

Exhibit B.2.4A-1 (continued)

Frequency of WIC Food Instrument Issuance by State

State	Standard Issuance Frequency		Issuance Frequencies			
	Yes	No	One Month	Two Months	Three Months	Other
<i>Southwest</i>						
Arkansas	✓		✓	✓		
Louisiana	✓					✓
New Mexico	✓		✓	✓		
Oklahoma	✓		✓	✓	✓	
Texas	✓			✓		
ACL WIC (NM)	✓		✓			
Cherokee Nation (OK)	✓		✓	✓		
Chickasaw Nation (OK)	✓		✓			
Choctaw Nation (OK)	✓		✓	✓		
Citizen-Potawatomi (OK)	✓		✓			
Eight Northern Pueblos (NM)	✓		✓			
Five Sandoval Pueblos (NM)	✓		✓			
ITC-Oklahoma	✓		✓			
Otoe-Missouria (OK)	✓		✓			
Pueblo of Isleta (NM)	✓		✓			
Pueblo of San Felipe (NM)		✓	✓			✓
Pueblo of Zuni (NM)	✓		✓	✓		✓
Santo Domingo (NM)	✓		✓			
WCD (OK)	✓		✓			

Exhibit B.2.4A-1 (continued)

Frequency of WIC Food Instrument Issuance by State

State	Standard Issuance Frequency		Issuance Frequencies			
	Yes	No	One Month	Two Months	Three Months	Other
<i>Mountain Plains</i>						
Colorado		✓				
Iowa	✓		✓			
Kansas	✓		✓	✓		
Missouri	✓		✓	✓		
Montana	✓		✓	✓		
Nebraska	✓		✓	✓		
North Dakota	✓		✓	✓		
South Dakota	✓		✓			
Utah	✓		✓	✓		
Wyoming	✓			✓		
Cheyenne River Sioux (SD)	✓		✓			
NIITDC (NE)	✓		✓			
Rosebud Sioux (SD)	✓		✓			
Shoshone-Arapahoe (WY)	✓			✓		
Standing Rock Sioux (ND)	✓		✓			
Three Affiliated (ND)	✓		✓			
Ute Mountain Ute (CO)	✓		✓			

Exhibit B.2.4A-1 (continued)

Frequency of WIC Food Instrument Issuance by State

State	Standard Issuance Frequency		Issuance Frequencies			
	Yes	No	One Month	Two Months	Three Months	Other
<i>Western</i>						
Alaska	✓		✓	✓		
Arizona	✓		✓	✓		
California	✓		✓	✓		
Guam	✓		✓	✓		
Hawaii	✓		✓	✓		
Idaho	✓		✓			
Nevada		✓	✓	✓		
Oregon	✓		✓			
Washington	✓		✓	✓		
ITC-Arizona	✓		✓			
ITC-Nevada	✓		✓	✓		
Navajo Nation (AZ)	✓		✓	✓		

Notes

With regard to issuance frequencies, each reporting State WIC agency was asked to list all frequencies used in the State.

Exhibit B.2.4A-2

Reasons for State Variation in Frequency of WIC Food Instrument Issuance

State	Certain Categories Pick Up Instruments More Often	Certain High-Risk Participants Pick Up Instruments More Often	Congested Local Agencies Issue Instruments Less Frequently	Local Agencies Choose Frequency	Other	All Food Instruments Issued With Same Frequency
<i>Northeast</i>						
Connecticut		✓				
Maine	✓	✓				
Massachusetts		✓			✓	
New Hampshire		✓		✓		
New York		✓				
Rhode Island		✓		✓		
Vermont						✓
Indian Township (ME)						✓
Pleasant Point (ME)						✓
Seneca Nation (NY)						✓
<i>Mid-Atlantic</i>						
Delaware		✓				
District of Columbia						✓
Maryland					✓	
New Jersey		✓				✓
Pennsylvania				✓		
Puerto Rico						✓
Virginia					✓	✓
Virgin Islands						✓
West Virginia						✓

Exhibit B.2.4A-2 (continued)

Reasons for State Variation in Frequency of WIC Food Instrument Issuance

State	Certain Categories Pick Up Instruments More Often	Certain High-Risk Participants Pick Up Instruments More Often	Congested Local Agencies Issue Instruments Less Frequently	Local Agencies Choose Frequency	Other	All Food Instruments Issued With Same Frequency
<i>Southeast</i>						
Alabama	✓	✓	✓	✓		
Florida		✓	✓	✓		
Georgia				✓		
Kentucky				✓		
Mississippi					✓	
North Carolina				✓		
South Carolina		✓				
Tennessee	✓	✓				
Eastern Band-Cherokee (NC)		✓		✓		
Mississippi Choctaw						✓
Seminole Tribe (FL)						✓
<i>Midwest</i>						
Illinois					✓	✓
Indiana		✓				
Michigan				✓	✓	
Minnesota	✓	✓				
Ohio				✓		
Wisconsin			✓	✓	✓	

Exhibit B.2.4A-2 (continued)

Reasons for State Variation in Frequency of WIC Food Instrument Issuance

State	Certain Categories Pick Up Instruments More Often	Certain High-Risk Participants Pick Up Instruments More Often	Congested Local Agencies Issue Instruments Less Frequently	Local Agencies Choose Frequency	Other	All Food Instruments Issued With Same Frequency
<i>Southwest</i>						
Arkansas		✓			✓	
Louisiana					✓	
New Mexico	✓	✓	✓	✓		
Oklahoma	✓	✓		✓		
Texas					✓	
ACL WIC (NM)						✓
Cherokee Nation (OK)		✓				
Chickasaw Nation (OK)						✓
Choctaw Nation (OK)		✓				
Citizen-Potawatomi (OK)						✓
Eight Northern Pueblos (NM)						✓
Five Sandoval Pueblos (NM)						✓
ITC-Oklahoma						✓
Otoe-Missouria (OK)						✓
Pueblo of Isleta (NM)						✓
Pueblo of San Felipe (NM)					✓	
Pueblo of Zuni (NM)					✓	✓
Santo Domingo (NM)				✓		
WCD (OK)						✓

Exhibit B.2.4A-2 (continued)

Reasons for State Variation in Frequency of WIC Food Instrument Issuance

State	Certain Categories Pick Up Instruments More Often	Certain High-Risk Participants Pick Up Instruments More Often	Congested Local Agencies Issue Instruments Less Frequently	Local Agencies Choose Frequency	Other	All Food Instruments Issued With Same Frequency
<i>Mountain Plains</i>						
Colorado		✓				
Iowa						✓
Kansas		✓				✓
Missouri		✓		✓		
Montana		✓	✓			
Nebraska		✓	✓	✓	✓	
North Dakota	✓	✓	✓			
South Dakota						✓
Utah		✓		✓		
Wyoming		✓			✓	
Cheyenne River Sioux (SD)						✓
NIITDC (NE)						✓
Rosebud Sioux (SD)						✓
Shoshone-Arapahoe (WY)	✓			✓		
Standing Rock Sioux (ND)						✓
Three Affiliated (ND)				✓		
Ute Mountain Ute (CO)						✓

Exhibit B.2.4A-2 (continued)

Reasons for State Variation in Frequency of WIC Food Instrument Issuance

State	Certain Categories Pick Up Instruments More Often	Certain High-Risk Participants Pick Up Instruments More Often	Congested Local Agencies Issue Instruments Less Frequently	Local Agencies Choose Frequency	Other	All Food Instruments Issued With Same Frequency
<i>Western</i>						
Alaska			✓	✓		
Arizona		✓	✓	✓	✓	✓
California	✓	✓		✓		
Guam		✓				✓
Hawaii		✓			✓	
Idaho						✓
Nevada	✓	✓				
Oregon						✓
Washington		✓		✓		
ITC-Arizona					✓	✓
ITC-Nevada	✓				✓	✓
Navajo Nation (AZ)			✓		✓	

Notes

Reporting State WIC agencies were asked to list all reasons for variations in issuance frequency.

APPENDIX C

MEANS-TESTED PROGRAMS FOR DETERMINING WIC INCOME ELIGIBILITY
INCOME DOCUMENTATION AND VERIFICATION
STATE-BY-STATE TABLES

Means-Tested Programs Used by States to Determine WIC Income Eligibility

State	Adjunctive Income Eligibility			Automatic Income Eligibility			No Programs
	AFDC	Food Stamp Program	Medicaid	Supplemental Security	Free/Reduced Price NSLP	Other Programs	
Northeast							
Connecticut	✓	✓	✓			✓	
Maine	✓	✓	✓				
Massachusetts	✓	✓	✓				
New Hampshire	✓	✓	✓				
New York	✓	✓	✓	✓	✓	✓	
Rhode Island	✓	✓	✓	✓	✓	✓	
Vermont	✓	✓	✓				
Indian Township (ME)					✓		
Pleasant Point (ME)							✓
Seneca Nation (NY)			✓				
Mid-Atlantic							
Delaware	✓	✓	✓	✓			
District of Columbia	✓	✓	✓		✓		
Maryland	✓	✓	✓		✓	✓	
New Jersey	✓	✓	✓				
Pennsylvania	✓	✓	✓				
Puerto Rico		✓	✓				
Virginia	✓	✓	✓		✓		
Virgin Islands	✓	✓	✓				
West Virginia	✓	✓	✓				

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix C

Exhibit C.4.1A (continued)

Means-Tested Programs Used by States to Determine WIC Income Eligibility

State	Adjunctive Income Eligibility			Automatic Income Eligibility			No Programs
	AFDC	Food Stamp Program	Medicaid	Supplemental Security	Free/Reduced Price NSLP	Other Programs	
<i>Southeast</i>							
Alabama	✓	✓	✓	✓			
Florida	✓	✓	✓		✓		
Georgia			✓				
Kentucky	✓	✓	✓				
Mississippi	✓	✓	✓				
North Carolina	✓	✓	✓			✓	
South Carolina	✓	✓	✓				
Tennessee	✓	✓	✓				
Eastern Band-Cherokee (NC)	✓	✓	✓	✓			
Mississippi Choctaw	✓	✓	✓	✓			
Seminole Tribe (FL)	✓	✓	✓	✓	✓	✓	
<i>Midwest</i>							
Illinois		✓	✓		✓		
Indiana	✓	✓	✓				
Michigan	✓	✓	✓	✓		✓	
Minnesota	✓	✓	✓				
Ohio	✓	✓	✓			✓	
Wisconsin	✓	✓	✓			✓	

Exhibit C.4.1A (continued)

Means-Tested Programs Used by States to Determine WIC Income Eligibility

State	Adjunctive Income Eligibility			Automatic Income Eligibility			No Programs
	AFDC	Food Stamp Program	Medicaid	Supplemental Security	Free/Reduced Price NSLP	Other Programs	
<i>Southwest</i>							
Arkansas	✓	✓	✓				
Louisiana	✓	✓	✓	✓		✓	
New Mexico	✓	✓	✓	✓	✓		
Oklahoma	✓	✓	✓			✓	
Texas	✓	✓	✓				
ACL WIC (NM)	✓	✓	✓				
Cherokee Nation (OK)	✓	✓	✓		✓		
Chickasaw Nation (OK)	✓	✓	✓			✓	
Choctaw Nation (OK)	✓	✓	✓	✓		✓	
Citizen-Potawatomi (OK)	✓		✓		✓		
Eight Northern Pueblos (NM)	✓	✓	✓	✓	✓		
Five Sandoval Pueblos (NM)	✓	✓	✓	✓		✓	
ITC-Oklahoma		✓					
Otoe Missouri (OK)					✓		
Pueblo of Isleta (NM)					✓		
Pueblo of San Felipe (NM)	✓	✓			✓		
Pueblo of Zuni (NM)	✓	✓	✓	✓	✓		
Santo Domingo (NM)	✓	✓	✓	✓	✓	✓	
WCD (OK)			✓				

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix C

Exhibit C.4.1A (continued)

Means-Tested Programs Used by States to Determine WIC Income Eligibility

State	Adjunctive Income Eligibility			Automatic Income Eligibility			No Programs
	AFDC	Food Stamp Program	Medicaid	Supplemental Security	Free/Reduced Price NSLP	Other Programs	
<i>Mountain Plains</i>							
Colorado	✓	✓	✓				
Iowa	✓	✓	✓				
Kansas	✓	✓	✓				
Missouri	✓	✓	✓	✓			
Montana	✓	✓	✓				
Nebraska	✓	✓	✓				
North Dakota	✓	✓	✓		✓		
South Dakota	✓	✓	✓	✓			
Utah	✓	✓	✓				
Wyoming	✓	✓	✓				
Cheyenne River Sioux (SD)	✓	✓	✓	✓			
NIITDC (NE)	✓	✓	✓				
Rosebud Sioux (SD)	✓	✓	✓				
Shoshone-Arapahoe (WY)	✓	✓	✓				
Standing Rock Sioux (ND)	✓	✓	✓			✓	
Three Affiliated (ND)	✓	✓	✓	✓			
Ute Mountain Ute (CO)	✓	✓	✓		✓		

Means-Tested Programs Used by States to Determine WIC Income Eligibility

State	Adjunctive Income Eligibility			Automatic Income Eligibility			No Programs
	AFDC	Food Stamp Program	Medicaid	Supplemental Security	Free/Reduced Price NSLP	Other Programs	
Western							
Alaska	✓	✓	✓	✓			
Arizona	✓	✓	✓				
California	✓	✓	✓	✓			
Guam							✓
Hawaii	✓		✓	✓			
Idaho	✓	✓	✓				
Nevada	✓	✓	✓				
Oregon	✓	✓	✓				
Washington	✓	✓	✓				
ITC-Arizona	✓	✓	✓				
ITC-Nevada	✓	✓	✓			✓	
Navajo Nation (AZ)	✓	✓	✓		✓	✓	

Notes

Reporting State WIC agencies were asked to list all programs used in determining income eligibility for the WIC Program.

Other programs include:

Extended Medicaid

Healthy Start

Head Start

SOBRA

Maryland Weatherization Program

Maryland Pharmacy Assistance Program

General Public Assistance Program

MICH Care

Food Redistribution Program on Indian Reservations

Refugee Resettlement Program

CSFP

Low Income Home Energy Assistance

Exhibit C.4.2A

Income Documentation and Verification Policies Used by States

State	Documentation Required	Applicant Self- Declares	Local Agency Discretion	Documentation Preferred
<i>Northeast</i>				
Connecticut	✓			
Maine	✓			
Massachusetts				✓
New Hampshire	✓			
New York	✓			
Rhode Island			✓	
Vermont	✓			
Indian Township (ME)	✓			
Pleasant Point (ME)	✓			
Seneca Nation (NY)		✓		
<i>Mid-Atlantic</i>				
Delaware				✓
District of Columbia	✓			
Maryland	✓			
New Jersey			✓	
Pennsylvania	✓			
Puerto Rico	✓			
Virginia	✓			
Virgin Islands			✓	
West Virginia	✓			

Exhibit C.4.2A (continued)

Income Documentation and Verification Policies Used by States

State	Documentation Required	Applicant Self- Declares	Local Agency Discretion	Documentation Preferred
<i>Southeast</i>				
Alabama		✓		
Florida			✓	
Georgia		✓		
Kentucky		✓		
Mississippi			✓	
North Carolina			✓	
South Carolina		✓		
Tennessee		✓		
Eastern Band-Cherokee (NC)		✓		
Mississippi Choctaw	✓			
Seminole Tribe (FL)		✓		
<i>Midwest</i>				
Illinois	✓			
Indiana	✓			
Michigan			✓	
Minnesota		✓		
Ohio	✓			
Wisconsin	✓			

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix C

Exhibit C.4.2A (continued)

Income Documentation and Verification Policies Used by States

State	Documentation Required	Applicant Self- Declares	Local Agency Discretion	Documentation Preferred
<i>Southwest</i>				
Arkansas		✓		
Louisiana			✓	
New Mexico	✓			
Oklahoma		✓		
Texas	✓			
ACL WIC (NM)		✓		
Cherokee Nation (OK)		✓		
Chickasaw Nation (OK)				✓
Choctaw Nation (OK)	✓			
Citizen-Potawatomi (OK)	✓			
Eight Northern Pueblos (NM)				✓
Five Sandoval Pueblos (NM)		✓		
ITC-Oklahoma		✓		
Otoe-Missouria (OK)		✓		
Pueblo of Isleta (NM)				✓
Pueblo of San Felipe (NM)		✓		
Pueblo of Zuni (NM)		✓		
Santo Domingo (NM)		✓		
WCD (OK)		✓		

Exhibit C.4.2A (continued)

Income Documentation and Verification Policies Used by States

State	Documentation Required	Applicant Self- Declares	Local Agency Discretion	Documentation Preferred
<i>Mountain Plains</i>				
Colorado			✓	
Iowa	✓			
Kansas	✓			
Missouri			✓	
Montana			✓	
Nebraska		✓		
North Dakota	✓			
South Dakota	✓			
Utah	✓			
Wyoming	✓			
Cheyenne River Sioux (SD)				✓
NIITDC (NE)		✓		
Rosebud Sioux (SD)		✓		
Shoshone-Arapahoe (WY)			✓	
Standing Rock Sioux (ND)		✓		
Three Affiliated (ND)		✓		
Ute Mountain Ute (CO)		✓		

Exhibit C.4.2A (continued)

Income Documentation and Verification Policies Used by States

State	Documentation Required	Applicant Self- Declares	Local Agency Discretion	Documentation Preferred
<i>Western</i>				
Alaska				✓
Arizona			✓	
California			✓	
Guam	✓			
Hawaii	✓			
Idaho	✓			
Nevada				✓
Oregon			✓	
Washington		✓		
ITC-Arizona			✓	
ITC-Nevada		✓		
Navajo Nation (AZ)	✓			

APPENDIX D

DIETARY INTAKE POLICIES AND METHODS DOCUMENTATION OF NUTRITIONAL RISK CRITERIA STATE-BY-STATE TABLES

Exhibit D.5.2A

State Policies for Obtaining Dietary Intake Information

State	All Participants	Only Participants At Risk for Dietary Inadequacy	Other Policies
<i>Northeast</i>			
Connecticut		✓	
Maine	✓		
Massachusetts	✓		
New Hampshire	✓		
New York	✓		
Rhode Island	✓		
Vermont	✓		
Indian Township (ME)	✓		
Pleasant Point (ME)	✓		
Seneca Nation (NY)	✓		
<i>Mid-Atlantic</i>			
Delaware		✓	
District of Columbia	✓		
Maryland		✓	
New Jersey	✓		
Pennsylvania		✓	
Puerto Rico		✓	
Virginia	✓		
Virgin Islands	✓		
West Virginia	✓		

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

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Exhibit D.5.2A (continued)

State Policies for Obtaining Dietary Intake Information

State	All Participants	Only Participants At Risk for Dietary Inadequacy	Other Policies
<i>Southeast</i>			
Alabama	✓		
Florida			✓ ^a
Georgia			✓ ^b
Kentucky	✓		
Mississippi			✓ ^c
North Carolina	✓		
South Carolina	✓		
Tennessee			✓ ^d
Eastern Band-Cherokee (NC)	✓		
Mississippi Choctaw	✓		
Seminole Tribe (FL)	✓		

Notes

^a *Florida*: Required to determine dietary inadequacy for all high-risk applicants.

^b *Georgia*: All except newborns certified in hospital; recommended but not required.

^c *Mississippi*: All high risk and all certified due to dietary inadequacy.

^d *Tennessee*: Dietary intake information must be completed for all high-risk applicants and for those applicants at risk due to dietary inadequacy.

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

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Exhibit D.5.2A (continued)

State Policies for Obtaining Dietary Intake Information

State	All Participants	Only Participants At Risk for Dietary Inadequacy	Other Policies
<i>Midwest</i>			
Illinois	✓		
Indiana	✓		
Michigan	✓		
Minnesota	✓		
Ohio	✓		
Wisconsin	✓		

State Policies for Obtaining Dietary Intake Information

State	All Participants	Only Participants At Risk for Dietary Inadequacy	Other Policies
Southwest			
Arkansas	✓		
Louisiana			✓*
New Mexico	✓		
Oklahoma	✓		
Texas	✓		
ACL WIC (NM)	✓		
Cherokee Nation (OK)			✓ [†]
Chickasaw Nation (OK)	✓		
Choctaw Nation (OK)	✓		
Citizen-Potawatomi (OK)	✓		
Eight Northern Pueblos (NM)	✓		
Five Sandoval Pueblos (NM)	✓		
ITC-Oklahoma	✓		
Otoe-Missouria (OK)	✓		
Pueblo of Isleta (NM)	✓		
Pueblo of San Felipe (NM)	✓		
Pueblo of Zuni (NM)	✓		
Santo Domingo (NM)	✓		
WCD (OK)	✓		

Notes

* Louisiana: All parents have quick dietary recalls. Applicants in priorities IV and V have formalized dietary evaluations.

[†] Cherokee Nation: All except infants less than one week of age

Exhibit D.5.2A (continued)

State Policies for Obtaining Dietary Intake Information

State	All Participants	Only Participants At Risk for Dietary Inadequacy	Other Policies
<i>Mountain Plains</i>			
Colorado	✓		
Iowa	✓		
Kansas	✓		
Missouri	✓		
Montana	✓		
Nebraska	✓		
North Dakota	✓		
South Dakota	✓		
Utah	✓		
Wyoming	✓		
Cheyenne River Sioux (SD)	✓		
NIITDC (NE)	✓		
Rosebud Sioux (SD)	✓		
Shoshone Arapahoe (WY)	✓		
Standing Rock Sioux (ND)	✓		
Three Affiliated (ND)	✓		
Ute Mountain Ute (CO)	✓		

Exhibit D.5.2A (continued)

State Policies for Obtaining Dietary Intake Information

State	All Participants	Only Participants At Risk for Dietary Inadequacy	Other Policies
<i>Western</i>			
Alaska	✓		
Arizona		✓	
California	✓		
Guam	✓		
Hawaii	✓		
Idaho	✓		
Nevada	✓		
Oregon	✓		
Washington	✓		
ITC-Arizona	✓		
ITC-Nevada		✓	
Navajo Nation (AZ)	✓		

Exhibit D.5.3A

Dietary Intake Methods Routinely Used by States

State	Twenty-Four Hour Recall	Food Frequency or Checklist	Dietary Record or Diary	Computer-Assisted Analysis	Other Methods
<i>Northeast</i>					
Connecticut		✓			
Maine	✓	✓			
Massachusetts	✓	✓			
New Hampshire	✓	✓			
New York		✓			
Rhode Island	✓	✓			
Vermont		✓			
Indian Township (ME)	✓				
Pleasant Point (ME)	✓				
Seneca Nation (NY)	✓	✓			
<i>Mid-Atlantic</i>					
Delaware	✓				
District of Columbia	✓	✓			
Maryland	✓				
New Jersey		✓			✓
Pennsylvania		✓			
Puerto Rico	✓	✓	✓		
Virginia	✓				
Virgin Islands	✓	✓			
West Virginia	✓	✓	✓		

Note

* In New Jersey, participants complete questionnaires on eating practices.

Exhibit D.5.3A (continued)

Dietary Intake Methods Routinely Used by States

State	Twenty-Four Hour Recall	Food Frequency or Checklist	Dietary Record or Diary	Computer-Assisted Analysis	Other Methods
Southeast					
Alabama	✓	✓			
Florida	✓	✓			
Georgia	✓	✓			
Kentucky		✓			
Mississippi	✓	✓			
North Carolina	✓	✓	✓		
South Carolina	✓	✓			
Tennessee	✓	✓			
Eastern Band-Cherokee (NC)	✓	✓	✓		
Mississippi Choctaw	✓	✓	✓		
Seminole Tribe (FL)	✓	✓			
Midwest					
Illinois	✓	✓			
Indiana	✓				✓ ^b
Michigan	✓	✓			
Minnesota	✓				
Ohio	✓	✓			
Wisconsin	✓				

Note

^b In Indiana, participants provide diet histories.

Dietary Intake Methods Routinely Used by States

State	Twenty-Four Hour Recall	Food Frequency or Checklist	Dietary Record or Diary	Computer-Assisted Analysis	Other Methods
<i>Southwest</i>					
Arkansas	✓				
Louisiana	✓	✓			
New Mexico	✓	✓			
Oklahoma		✓			
Texas	✓				
ACL WIC (NM)	✓				
Cherokee Nation (OK)	✓	✓		✓	
Chickasaw Nation (OK)		✓			
Choctaw Nation (OK)		✓			
Citizen-Potawatomi (OK)	✓				
Eight Northern Pueblos (NM)	✓	✓			
Five Sandoval Pueblos (NM)	✓				
ITC-Oklahoma	✓				
Otoe-Missouria (OK)	✓	✓			
Pueblo of Isleta (NM)	✓	✓			
Pueblo of San Felipe (NM)	✓				
Pueblo of Zuni (NM)	✓	✓			
Santo Domingo (NM)	✓	✓			
WCD (OK)	✓	✓			

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

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/ J J

Exhibit D.5.3A (continued)

Dietary Intake Methods Routinely Used by States

State	Twenty-Four Hour Recall	Food Frequency or Checklist	Dietary Record or Diary	Computer-Assisted Analysis	Other Methods
<i>Mountain Plains</i>					
Colorado	✓	✓			
Iowa		✓			
Kansas	✓	✓			
Missouri	✓	✓			
Montana	✓				
Nebraska	✓	✓			
North Dakota	✓	✓			
South Dakota	✓				
Utah	✓	✓			
Wyoming	✓	✓			
Cheyenne River Sioux (SD)		✓	✓		
NIITDC (NE)	✓	✓			
Rosebud Sioux (SD)		✓			
Shoshone-Arapahoe (WY)	✓				
Standing Rock Sioux (ND)		✓			
Three Affiliated (ND)		✓			
Ute Mountain Ute (CO)	✓	✓			

Exhibit D.5.3A (continued)

Dietary Intake Methods Routinely Used by States

State	Twenty-Four Hour Recall	Food Frequency or Checklist	Dietary Record or Diary	Computer-Assisted Analysis	Other Methods
<i>Western</i>					
Alaska	✓	✓			
Arizona	✓	✓		✓	
California	✓				
Guam	✓				
Hawaii	✓	✓			
Idaho	✓	✓			
Nevada		✓			
Oregon	✓				
Washington	✓				
ITC-Arizona	✓	✓		✓	
ITC-Nevada		✓			
Navajo Nation (AZ)		✓			

Note

Reporting State WIC agencies were asked to list all methods used.

Exhibit D.5.4A

State Documentation of Nutritional Risk Criteria

State	Single Most Important Criterion is Reported	All Risk Criteria Are Reported	Set Number of Risk Criteria Is Recorded	Most Easily Identified Criteria Are Recorded	Local Certifier Discretion	Other Procedures
Northeast						
Connecticut		✓				
Maine			✓(5)			
Massachusetts		✓				
New Hampshire						✓ ^a
New York		✓				
Rhode Island		✓				
Vermont		✓				
Indian Township (ME)		✓				
Pleasant Point (ME)		✓				
Seneca Nation (NY)		✓				
Mid-Atlantic						
Delaware		✓				
District of Columbia			✓(3)			
Maryland		✓				
New Jersey				✓		
Pennsylvania			✓(3)			
Puerto Rico			✓(3)			
Virginia		✓				
Virgin Islands				✓		
West Virginia			✓(5)			

Note

* In New Hampshire, up to five risk criteria are recorded

Exhibit D.5.4A (continued)

State Documentation of Nutritional Risk Criteria

State	Single Most Important Criterion is Reported	All Risk Criteria Are Reported	Set Number of Risk Criteria Is Recorded	Most Easily Identified Criteria Are Recorded	Local Certifier Discretion	Other Procedures
<i>Southeast</i>						
Alabama		✓				
Florida			✓(5)			
Georgia		✓				
Kentucky			✓(3)			
Mississippi			✓(3)			
North Carolina			✓(6)			
South Carolina		✓				
Tennessee						✓ ^b
Eastern Band-Cherokee (NC)		✓				
Mississippi Choctaw		✓				
Seminole Tribe (FL)		✓				
<i>Midwest</i>						
Illinois					✓	
Indiana			✓(3)			
Michigan			✓(4)			
Minnesota		✓				
Ohio			✓(8)			
Wisconsin		✓				

Note

^b In Tennessee, in most of the local agencies, up to three risk criteria are recorded. In the remaining local agencies, only one criterion is recorded.

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Exhibit D.5.4A (continued)

State Documentation of Nutritional Risk Criteria

State	Single Most Important Criterion is Reported	All Risk Criteria Are Reported	Set Number of Risk Criteria Is Recorded	Most Easily Identified Criteria Are Recorded	Local Certifier Discretion	Other Procedures
<i>Southwest</i>						
Arkansas		✓				
Louisiana			✓(5)			
New Mexico			✓(3)			
Oklahoma		✓				
Texas		✓				
ACL WIC (NM)					✓	
Cherokee Nation (OK)		✓				
Chickasaw Nation (OK)		✓				
Choctaw Nation (OK)		✓				
Citizen-Potawatomi (OK)		✓				
Eight Northern Pueblos (NM)					✓	
Five Sandoval Pueblos (NM)					✓	
ITC-Oklahoma		✓				
Otoe-Missouria (OK)					✓	
Pueblo of Isleta (NM)		✓				
Pueblo of San Felipe (NM)		✓				
Pueblo of Zuni (NM)		✓				
Santo Domingo (NM)		✓				
WCD (OK)				✓		

Exhibit D.5.4A (continued)

State Documentation of Nutritional Risk Criteria

State	Single Most Important Criterion is Reported	All Risk Criteria Are Reported	Set Number of Risk Criteria Is Recorded	Most Easily Identified Criteria Are Recorded	Local Certifier Discretion	Other Procedures
<i>Mountain Plains</i>						
Colorado		✓				
Iowa			✓(6)			
Kansas			✓(5)			
Missouri					✓	
Montana					✓	
Nebraska		✓				
North Dakota		✓				
South Dakota		✓				
Utah	✓					
Wyoming		✓				
Cheyenne River Sioux (SD)		✓				
NIITDC (NE)			✓(3)			
Rosebud Sioux (SD)			✓(3)			
Shoshone-Arapahoe (WY)			✓(3)			
Standing Rock Sioux (SD)		✓				
Three Affiliated (ND)		✓				
Ute Mountain Ute (CO)		✓				

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix D

Exhibit D.5.4A (continued)

State Documentation of Nutritional Risk Criteria

State	Single Most Important Criterion is Reported	All Risk Criteria Are Reported	Set Number of Risk Criteria Is Recorded	Most Easily Identified Criteria Are Recorded	Local Certifier Discretion	Other Procedures
<i>Western</i>						
Alaska			✓(3)			
Arizona					✓	
California		✓				
Guam		✓				
Hawaii		✓				
Idaho			✓(6)			
Nevada		✓				
Oregon		✓				
Washington		✓				
ITC-Arizona					✓	
ITC-Nevada		✓				
Navajo Nation (AZ)					✓	

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APPENDIX E

NUTRITIONAL RISK ELIGIBILITY CRITERIA STATE-BY-STATE TABLES

Exhibit E.5.35A

State Anthropometric Nutritional Risk Standards for Weight for Age for Infants and Children

State	Infants		Children	
	Underweight for Age (under percentile)	Overweight for Age (over percentile)	Underweight for Age (under percentile)	Overweight for Age (over percentile)
Northeast				
Connecticut	10	N/R	10	N/R
Maine	10	N/R	10	N/R
Massachusetts	11	N/R	11	N/R
New Hampshire	10	N/R	10	N/R
New York	10	90	10	90
Rhode Island	N/R	N/R	N/R	N/R
Vermont	5	N/R	5	N/R
Indian Township (ME)	5	N/R	10	20
Pleasant Point (ME)	N/R	N/R	N/R	N/R
Seneca Nation (NY)	10	90	10	90
Mid-Atlantic				
Delaware	10	90	10	90
District of Columbia	N/R	N/R	N/R	N/R
Maryland	N/R	N/R	N/R	N/R
New Jersey	N/R	N/R	N/R	N/R
Pennsylvania	N/R	N/R	N/R	N/R
Puerto Rico	N/R	N/R	10	90
Virginia	N/R	N/R	N/R	N/R
Virgin Islands	10	90	10	90
West Virginia	25	N/R	25	N/R

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix E

Exhibit E.5.35A (continued)

State Anthropometric Nutritional Risk Standards for Weight for Age for Infants and Children

State	Infants		Children	
	Underweight for Age (under percentile)	Overweight for Age (over percentile)	Underweight for Age (under percentile)	Overweight for Age (over percentile)
<i>Southeast</i>				
Alabama	N/R	N/R	N/R	N/R
Florida	N/R	N/R	N/R	N/R
Georgia	N/R	N/R	N/R	N/R
Kentucky	10	N/R	10	N/R
Mississippi	11	N/R	11	N/R
North Carolina	N/R	N/R	N/R	N/R
South Carolina	5	N/R	5	N/R
Tennessee	5	N/R	N/R	N/R
Eastern Band—Cherokee (NC)	N/R	90	N/R	90
Mississippi Choctaw	10	N/R	10	N/R
Seminole Tribe (FL)	10	90	10	90
<i>Midwest</i>				
Illinois	N/R	N/R	N/R	N/R
Indiana	N/R	N/R	N/R	N/R
Michigan	N/R	N/R	N/R	N/R
Minnesota	N/R	N/R	N/R	N/R
Ohio	N/R	N/R	N/R	N/R
Wisconsin	N/R	N/R	N/R	N/R

Exhibit E.5.35A (continued)

State Anthropometric Nutritional Risk Standards for Weight for Age for Infants and Children

State	Infants		Children	
	Underweight for Age (under percentile)	Overweight for Age (over percentile)	Underweight for Age (under percentile)	Overweight for Age (over percentile)
<i>Southwest</i>				
Arkansas	N/R	N/R	N/R	N/R
Louisiana	N/R	N/R	N/R	N/R
New Mexico	5	95	5	95
Oklahoma	5	N/R	5	N/R
Texas	5	N/R	5	N/R
ACL (NM)	10	90	10	90
Cherokee Nation (OK)	10	90	10	90
Chickasaw Nation (OK)	5	N/R	5	N/R
Choctaw Nation (OK)	5	N/R	5	N/R
Citizen—Potawatomi (OK)	10	N/R	10	N/R
Eight Northern Pueblos (NM)	5	95	5	95
Five Sandoval Pueblos (NM)	N/R	N/R	N/R	N/R
ITC—Oklahoma	5	95	5	95
Otoe-Missouria (OK)	N/R	90	10	N/R
Pueblo of Isleta (NM)	5	95	5	95
Pueblo of San Felipe (NM)	5	95	5	95
Pueblo of Zuni (NM)	5	N/R	5	N/R
Santo Domingo (NM)	5	90	5	90
WCD (OK)	10	90	10	90

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix E

Exhibit E.5.35A (continued)

State Anthropometric Nutritional Risk Standards for Weight for Age for Infants and Children

State	Infants		Children	
	Underweight for Age (under percentile)	Overweight for Age (over percentile)	Underweight for Age (under percentile)	Overweight for Age (over percentile)
<i>Mountain Plains</i>				
Colorado	10	90	10	90
Iowa	N/R	N/R	N/R	N/R
Kansas	N/R	N/R	N/R	N/R
Missouri	5	N/R	5	N/R
Montana	N/R	N/R	N/R	N/R
Nebraska	10	N/R	10	N/R
North Dakota	N/R	N/R	N/R	N/R
South Dakota	5	N/R	5	N/R
Utah	10	90	10	90
Wyoming	10	N/R	10	N/R
Cheyenne River Sioux (SD)	10	N/R	10	N/R
NIITDC (NE)	10	N/R	10	N/R
Rosebud Sioux (SD)	10	90	10	90
Shoshone-Arapahoe (WY)	10	90	10	90
Standing Rock Sioux (ND)	N/R	N/R	N/R	N/R
Three Affiliated (ND)	N/R	N/R	N/R	N/R
Ute Mountain Ute (CO)	10	90	10	90

Exhibit E.5.35A (continued)

State Anthropometric Nutritional Risk Standards for Weight for Age for Infants and Children

State	Infants		Children	
	Underweight for Age (under percentile)	Overweight for Age (over percentile)	Underweight for Age (under percentile)	Overweight for Age (over percentile)
<i>Western</i>				
Alaska	N/R	N/R	N/R	N/R
Arizona	N/R	N/R	10	90
California	N/R	N/R	N/R	N/R
Guam	N/R	N/R	N/R	N/R
Hawaii	5	N/R	5	N/R
Idaho	N/R	N/R	N/R	N/R
Nevada	N/R	N/R	N/R	N/R
Oregon	N/R	N/R	N/R	N/R
Washington	5	N/R	5	N/R
ITC—Arizona	N/R	N/R	10	90
ITC—Nevada	N/R	N/R	10	N/R
Navajo Nation (AZ)	5	95	5	95

Notes

Standards are based on anthropometric percentiles developed by the National Center for Health Statistics (NCHS).

N/R = Not reported

Exhibit E.5.35B

State Anthropometric Nutritional Risk Standards for Height (Length) for Age for Infants and Children

State	Infants		Children	
	Short Stature (under percentile)	Tall Stature (over percentile)	Short Stature (under percentile)	Tall Stature (over percentile)
<i>Northeast</i>				
Connecticut	10	N/R	10	N/R
Maine	10	N/R	10	N/R
Massachusetts	11	N/R	11	N/R
New Hampshire	10	N/R	10	N/R
New York	10	N/R	10	N/R
Rhode Island	10	N/R	10	N/R
Vermont	5	N/R	5	N/R
Indian Township (ME)	10	90	10	N/R
Pleasant Point (ME)	N/R	N/R	N/R	N/R
Seneca Nation (NY)	10	90	10	90
<i>Mid-Atlantic</i>				
Delaware	10	90	10	90
District of Columbia	5	N/R	5	N/R
Maryland	10	N/R	10	N/R
New Jersey	10	N/R	10	N/R
Pennsylvania	10	N/R	10	N/R
Puerto Rico	10	N/R	5	N/R
Virginia	10	N/R	10	N/R
Virgin Islands	10	N/R	N/R	N/R
West Virginia	10	N/R	10	N/R

Exhibit E.5.35B (continued)

State Anthropometric Nutritional Risk Standards for Height (Length) for Age for Infants and Children

State	Infants		Children	
	Short Stature (under percentile)	Tall Stature (over percentile)	Short Stature (under percentile)	Tall Stature (over percentile)
Southeast				
Alabama	10	N/R	10	N/R
Florida	10	N/R	5	N/R
Georgia	10	N/R	10	N/R
Kentucky	10	N/R	10	N/R
Mississippi	6	94	6	94
North Carolina	5	N/R	5	N/R
South Carolina	5	N/R	5	N/R
Tennessee	5	N/R	N/R	N/R
Eastern Band—Cherokee (NC)	5	N/R	5	N/R
Mississippi Choctaw	5	95	5	95
Seminole Tribe (FL)	5	N/R	5	N/R
Midwest				
Illinois	10	N/R	10	N/R
Indiana	10	N/R	10	N/R
Michigan	10	N/R	10	N/R
Minnesota	5	N/R	5	N/R
Ohio	10	N/R	10	N/R
Wisconsin	10	N/R	10	N/R

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix E

Exhibit E.5.35B (continued)

State Anthropometric Nutritional Risk Standards for Height (Length) for Age for Infants and Children

State	Infants		Children	
	Short Stature (under percentile)	Tall Stature (over percentile)	Short Stature (under percentile)	Tall Stature (over percentile)
<i>Southwest</i>				
Arkansas	10	N/R	10	N/R
Louisiana	10	N/R	10	N/R
New Mexico	5	N/R	5	N/R
Oklahoma	5	N/R	5	N/R
Texas	5	N/R	5	N/R
ACL (NM)	N/R	N/R	N/R	N/R
Cherokee Nation (OK)	10	N/R	10	N/R
Chickasaw Nation (OK)	5	N/R	5	N/R
Choctaw Nation (OK)	5	N/R	5	N/R
Citizen—Potawatomie (OK)	5	N/R	5	N/R
Eight Northern Pueblos (NM)	5	N/R	5	N/R
Five Sandoval Pueblos (NM)	5	N/R	5	N/R
ITC—Oklahoma	5	95	5	95
Otoe-Missouria (OK)	N/R	N/R	10	N/R
Pueblo of Isleta (NM)	5	95	5	95
Pueblo of San Felipe (NM)	5	95	5	95
Pueblo of Zuñi (NM)	5	N/R	5	N/R
Santo Domingo (NM)	5	90	5	90
WCD (OK)	10	90	10	90

Exhibit E.5.35B (continued)

State Anthropometric Nutritional Risk Standards for Height (Length) for Age for Infants and Children

State	Infants		Children	
	Short Stature (under percentile)	Tall Stature (over percentile)	Short Stature (under percentile)	Tall Stature (over percentile)
<i>Mountain Plains</i>				
Colorado	10	90	10	90
Iowa	5	N/R	5	N/R
Kansas	10	N/R	10	N/R
Missouri	5	N/R	5	N/R
Montana	N/R	N/R	10	N/R
Nebraska	10	N/R	10	N/R
North Dakota	10	N/R	10	N/R
South Dakota	10	N/R	5	N/R
Utah	10	90	10	90
Wyoming	5	N/R	5	N/R
Cheyenne River Sioux (SD)	N/R	N/R	N/R	N/R
NIITDC (NE)	10	N/R	10	N/R
Rosebud Sioux (SD)	10	N/R	10	N/R
Shoshone-Arapahoe (WY)	10	N/R	10	N/R
Standing Rock Sioux (ND)	10	N/R	10	N/R
Three Affiliated (ND)	10	N/R	10	N/R
Ute Mountain Ute (CO)	10	90	10	90

Exhibit E.5.35B (continued)

State Anthropometric Nutritional Risk Standards for Height (Length) for Age for Infants and Children

State	Infants		Children	
	Short Stature (under percentile)	Tall Stature (over percentile)	Short Stature (under percentile)	Tall Stature (over percentile)
<i>Western</i>				
Alaska	5	N/R	5	N/R
Arizona	10	N/R	5	N/R
California	5	N/R	5	N/R
Guam	10	N/R	5	N/R
Hawaii	5	N/R	5	N/R
Idaho	5	N/R	5	N/R
Nevada	5	N/R	5	N/R
Oregon	5	N/R	5	N/R
Washington	5	N/R	5	N/R
ITC—Arizona	10	N/R	10	N/R
ITC—Nevada	10	N/R	10	N/R
Navajo Nation (AZ)	5	N/R	5	N/R

Notes

Standards are based on anthropometric percentiles developed by the National Center for Health Statistics (NCHS)

N/R = Not reported

Exhibit E.5.35C

State Anthropometric Nutritional Risk Standards for Weight for Height (Length) for Infants and Children

State	Infants		Children	
	Underweight for Height (under percentile)	Overweight for Height (over percentile)	Underweight for Height (under percentile)	Overweight for Height (over percentile)
<i>Northeast</i>				
Connecticut	10	90	10	90
Maine	10	90	10	90
Massachusetts	11	89	11	89
New Hampshire	25	90	10	90
New York	10	90	10	90
Rhode Island	25	90	10	95
Vermont	10	95	10	95
Indian Township (ME)	N/R	90	10	N/R
Pleasant Point (ME)	N/R	N/R	N/R	N/R
Seneca Nation (NY)	10	90	10	90
<i>Mid-Atlantic</i>				
Delaware	10	90	10	90
District of Columbia	10	90	10	90
Maryland	10	N/R	10	95
New Jersey	10	95	10	95
Pennsylvania	10	95	10	95
Puerto Rico	N/R	95	10	95
Virginia	10	90	10	90
Virgin Islands	10	90	10	90
West Virginia	25	90	25	90

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix E

Exhibit E.5.35C (continued)

State Anthropometric Nutritional Risk Standards for Weight for Height (Length) for Infants and Children

State	Infants		Children	
	Underweight for Height (under percentile)	Overweight for Height (over percentile)	Underweight for Height (under percentile)	Overweight for Height (over percentile)
<i>Southeast</i>				
Alabama	10	90	10	90
Florida	10	95	10	95
Georgia	10	95	10	95
Kentucky	10	95	10	90
Mississippi	11	89	11	89
North Carolina	10	90	10	90
South Carolina	5	95	5	95
Tennessee	5	90	5	90
Eastern Band—Cherokee (NC)	10	90	10	90
Mississippi Choctaw	10	90	10	90
Seminole Tribe (FL)	10	90	10	90
<i>Midwest</i>				
Illinois	10	90	10	90
Indiana	10	90	10	90
Michigan	10	90	10	90
Minnesota	10	90	10	90
Ohio	10	90	10	90
Wisconsin	10	90	10	90

Exhibit E.5.35C (continued)

State Anthropometric Nutritional Risk Standards for Weight for Height (Length) for Infants and Children

State	Infants		Children	
	Underweight for Height (under percentile)	Overweight for Height (over percentile)	Underweight for Height (under percentile)	Overweight for Height (over percentile)
<i>Southwest</i>				
Arkansas	10	95	10	95
Louisiana	10	90	10	90
New Mexico	10	95	10	95
Oklahoma	10	90	10	90
Texas	10	90	10	90
ACL (NM)	10	90	10	90
Cherokee Nation (OK)	10	90	10	90
Chickasaw Nation (OK)	10	90	10	90
Choctaw Nation (OK)	10	90	10	90
Citizen-Potawatomi (OK)	10	90	10	90
Eight Northern Pueblos (NM)	5	95	5	95
Five Sandoval Pueblos (NM)	5	95	5	95
ITC -Oklahoma	5	95	5	95
Otoe-Missouria (OK)	10	90	10	90
Pueblo of Isleta (NM)	10	95	10	95
Pueblo of San Felipe (NM)	5	95	5	95
Pueblo of Zuni (NM)	5	95	N/R	95
Santo Domingo (NM)	5	90	5	90
WCD (OK)	10	90	10	90

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix E

Exhibit E.5.35C (continued)

State Anthropometric Nutritional Risk Standards for Weight for Height (Length) for Infants and Children

State	Infants		Children	
	Underweight for Height (under percentile)	Overweight for Height (over percentile)	Underweight for Height (under percentile)	Overweight for Height (over percentile)
<i>Mountain Plains</i>				
Colorado	10	90	10	90
Iowa	5	95	5	95
Kansas	25	90	25	90
Missouri	10	90	10	90
Montana	10	90	10	90
Nebraska	10	90	10	90
North Dakota	10	90	10	90
South Dakota	10	90	10	90
Utah	10	90	10	90
Wyoming	10	90	10	90
Cheyenne River Sioux (SD)	10	90	10	90
NIITDC (NE)	10	90	10	90
Rosebud Sioux (SD)	10	90	10	90
Shoshone-Arapahoe (WY)	10	90	10	90
Standing Rock Sioux (ND)	10	90	10	90
Three Affiliated (ND)	10	90	10	90
Ute Mountain Ute (CO)	10	90	10	90

Exhibit E.5.35C (continued)

State Anthropometric Nutritional Risk Standards for Weight for Height (Length) for Infants and Children

State	Infants		Children	
	Underweight for Height (under percentile)	Overweight for Height (over percentile)	Underweight for Height (under percentile)	Overweight for Height (over percentile)
Western				
Alaska	5	95	5	95
Arizona	10	95	10	95
California	5	N/R	5	95
Guam	10	90	10	90
Hawaii	5	N/R	5	N/R
Idaho	5	95	5	95
Nevada	5	95	5	95
Oregon	10	90	10	90
Washington	10	90	10	90
ITC—Arizona	10	90	10	90
ITC—Nevada	10	90	10	90
Navajo Nation (AZ)	5	95	5	95

Notes

Standards are based on anthropometric percentiles developed by the National Center for Health Statistics (NCHS).

N/R = Not reported

State Anthropometric Nutritional Risk Standards for Current Weight for Height for Breastfeeding Women and for Postpartum Women

State	Breastfeeding Women		Postpartum Women	
	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)
Northeast				
Connecticut	10	20	10	20
Maine	*	*	*	*
Massachusetts	10	20	10	20
New Hampshire	10	20	10	20
New York	10	10	10	10
Rhode Island	*	*	10	N/R
Vermont	5	25	5	25
Indian Township (ME)	N/R	N/R	N/R	N/R
Pleasant Point (ME)	N/R	N/R	N/R	N/R
Seneca Nation (NY)	10	20	10	20
Mid-Atlantic				
Delaware	10	20	10	20
District of Columbia	10	20	10	20
Maryland	10	20	10	20
New Jersey	10	20	10	20
Pennsylvania	15	20	15	20
Puerto Rico	10	20	10	20
Virginia	10	20	10	20
Virgin Islands	10	20	10	20
West Virginia	10	20	10	20

Notes

Body Mass Index equals kilograms/meters²

Standard height and weight percentiles are based on the Metropolitan Life Actuarial Tables, 1959

N/R = Not reported

* Standards for Maine and Rhode Island are based on Body Mass Index (BMI) anthropometric criteria. For breastfeeding and/or postpartum women, BMI < 19.8 indicates underweight for height; BMI > 26.0 is overweight for height

State Anthropometric Nutritional Risk Standards for Current Weight for Height for Breastfeeding Women and for Postpartum Women

State	Breastfeeding Women		Postpartum Women	
	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)
Southeast				
Alabama	*	N/R	*	N/R
Florida	10	35	10	N/R
Georgia	10	20	10	20
Kentucky	10	20	10	20
Mississippi	10	20	10	20
North Carolina	10	20	15	20
South Carolina	*	*	*	*
Tennessee	10	20	10	20
Eastern Band—Cherokee (NC)	10	20	10	20
Mississippi Choctaw	10	20	10	20
Seminole Tribe (FL)	15	20	15	20
Midwest				
Illinois	10	20	10	20
Indiana	5	15	5	15
Michigan	10	N/R	10	N/R
Minnesota	10	20	10	20
Ohio	10	20	10	20
Wisconsin	*	*	*	*

Notes

Body Mass Index equals kilograms/meters²

Standard height and weight percentiles are based on the Metropolitan Life Actuarial Tables, 1959

N/R = Not reported

* Standards for Alabama and South Carolina are based on BMI anthropometric criteria. For breastfeeding and/or postpartum women, BMI < 19.8 indicates underweight for height; BMI > 26.0 is overweight for height. For Wisconsin, BMI < 20.0 indicates underweight for height and BMI > 26.0 is overweight for height.

State Anthropometric Nutritional Risk Standards for Current Weight for Height for Breastfeeding Women and for Postpartum Women

State	Breastfeeding Women		Postpartum Women	
	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)
Southwest				
Arkansas	10	20	10	20
Louisiana	10	20	10	20
New Mexico	10	20	10	20
Oklahoma	*	*	*	*
Texas	10	21	10	21
ACL (NM)	10	20	10	20
Cherokee Nation (OK)	5	15	5	15
Chickasaw Nation (OK)	10	20	10	20
Choctaw Nation (OK)	10	20	10	20
Citizen—Potawatomi (OK)	10	15	10	15
Eight Northern Pueblos (NM)	15	20	15	20
Five Sandoval Pueblos (NM)	10	10	10	10
ITC—Oklahoma	10	15	10	15
Otoe-Missouria (OK)	10	20	10	20
Pueblo of Isleta (NM)	10	20	10	20
Pueblo of San Felipe (NM)	15	20	15	20
Pueblo of Zuñi (NM)	15	20	15	20
Santo Domingo (NM)	5	10	5	10
WCD (OK)	10	15	10	15

Notes

Body Mass Index equals kilograms/meters².

Standard height and weight percentiles are based on the Metropolitan Life Actuarial Tables, 1959.

N/R = Not reported.

* Standards for Oklahoma are based on BMI anthropometric criteria. For breastfeeding and postpartum women, BMI < 19.8 indicates underweight for height; BMI > 26.0 is overweight for height.

Exhibit E.5.37A (continued)

State Anthropometric Nutritional Risk Standards for Current Weight for Height for Breastfeeding Women and for Postpartum Women

State	Breastfeeding Women		Postpartum Women	
	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)
<i>Mountain Plains</i>				
Colorado	N/R	N/R	10	20
Iowa	10	30	10	30
Kansas	10	10	10	10
Missouri	10	N/R	10	N/R
Montana	10	20	10	20
Nebraska	10	20	10	20
North Dakota	5	22	5	20
South Dakota	*	*	10	30
Utah	10	20	10	20
Wyoming	10	20	10	20
Cheyenne River Sioux (SD)	N/R	N/R	5	20
NIITDC (NE)	N/R	20	N/R	20
Rosebud Sioux (SD)	5	20	5	20
Shoshone-Arapahoe (WY)	15	20	15	20
Standing Rock Sioux (ND)	5	22	5	20
Three Affiliated (ND)	5	20	5	20
Ute Mountain Ute (CO)	10	20	10	20

Notes

Body Mass Index equals kilograms/meters².

Standard height and weight percentiles are based on the Metropolitan Life Actuarial Tables, 1959.

N/R = Not reported.

* Standards for South Dakota are based on BMI anthropometric criteria. For breastfeeding women, BMI < 19.8 indicates underweight for height; BMI > 29.0 is overweight for height.

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

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Exhibit E.5.37A (continued)

State Anthropometric Nutritional Risk Standards for Current Weight for Height for Breastfeeding Women and for Postpartum Women

State	Breastfeeding Women		Postpartum Women	
	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)	Underweight for Height (percent under standard)	Overweight for Height (percent over standard)
<i>Western</i>				
Alaska	10	20	N/R	20
Arizona	10	20	10	20
California	10	20	10	20
Guam	10	20	N/R	N/R
Hawaii	15	20	N/R	N/R
Idaho	15	20	15	20
Nevada	*	*	*	*
Oregon	11	21	11	21
Washington	15	20	15	20
ITC - Arizona	5	20	5	20
ITC - Nevada	5	20	5	20
Navajo Nation (AZ)	10	10	10	10

Notes

Body Mass Index equals kilograms/meters².

Standard height and weight percentiles are based on the Metropolitan Life Actuarial Tables, 1959.

N/R = Not reported

* Standards for Nevada are based on BMI anthropometric criteria. For breastfeeding and postpartum women, BMI < 19.8 indicates underweight for height; BMI > 26.0 is overweight for height.

Exhibit E.5.38A-1

Summary of State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Pregnant Women

Hemoglobin Value	States with Criteria by Trimester									States with a Constant Criterion		
	First Trimester			Second Trimester			Third Trimester					
	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent
10.0	0	0.0%	0.0%	0	0.0%	0.0%	0	0.0%	0.0%	1	2.9%	2.9%
10.4	0	0.0	0.0	12	26.7	26.7	1	2.2	2.2	0	0.0	2.9
10.5	0	0.0	0.0	9	20.0	46.7	1	2.2	4.4	0	0.0	2.9
10.57	0	0.0	0.0	1	2.2	48.9	0	0.0	4.4	0	0.0	2.9
10.6	0	0.0	0.0	0	0.0	48.9	1	2.2	6.7	0	0.0	2.9
10.7	0	0.0	0.0	3	6.7	55.6	0	0.0	6.7	0	0.0	2.9
10.8	0	0.0	0.0	1	2.2	57.8	0	0.0	37.8	0	0.0	2.9
10.9	11	24.4	24.4	5	11.1	68.9	14	31.1	37.8	2	5.7	8.6
11.0	9	20.0	44.4	4	8.9	77.8	11	24.4	62.2	5	14.3	22.9
11.07	1	2.2	46.7	0	0.0	77.8	1	2.2	64.4	0	0.0	22.9
11.1	0	0.0	46.7	2	4.4	82.2	0	0.0	64.4	0	0.0	22.9
11.2	3	6.7	53.3	1	2.2	84.4	3	6.7	71.1	0	0.0	22.9
11.25	0	0.0	53.3	1	2.2	86.7	1	2.2	73.3	0	0.0	22.9
11.3	1	2.2	55.6	1	2.2	88.9	0	0.0	73.3	2	5.7	28.6
11.4	2	4.4	60.0	0	0.0	88.9	3	6.7	80.0	0	0.0	28.6
11.5	1	2.2	62.2	0	0.0	88.9	0	0.0	80.0	2	5.7	34.3
11.6	3	6.7	68.9	2	4.4	93.3	2	4.4	84.4	0	0.0	34.3
11.7	2	4.4	73.3	0	0.0	93.3	1	2.2	86.7	1	2.9	37.1
11.9	4	8.9	82.2	1	2.2	95.6	1	2.2	88.9	4	11.4	48.6
12.0	4	8.9	91.1	2	4.4	100.0	2	4.4	93.3	14	40.0	88.6
12.2	1	2.2	93.3	0	0.0	100.0	1	2.2	95.6	0	0.0	88.6
12.25	1	2.2	95.6	0	0.0	100.0	0	0.0	95.6	0	0.0	88.6
12.3	1	2.2	97.8	0	0.0	100.0	0	0.0	95.6	2	5.7	94.3
12.4	0	0.0	97.8	0	0.0	100.0	0	0.0	95.6	1	2.9	97.1
12.7	1	2.2	100.0	0	0.0	100.0	1	2.2	97.8	0	0.0	97.1
12.9	0	0.0	100.0	0	0.0	100.0	1	2.2	100.0	0	0.0	97.1
13.1	0	0.0	100.0	0	0.0	100.0	0	0.0	100.0	1	2.9	100.0

Exhibit E.5.38A-1 (continued)

Summary of State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Pregnant Women

Hemoglobin Value	States with Criteria by Trimester									States with a Constant Criterion		
	First Trimester			Second Trimester			Third Trimester					
	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent
Total reporting	45			45			45			35		
Median		11.2			10.7			11.0			12.0	
Mean		11.4			10.8			11.2			11.7	
Mode		10.9			10.4			10.9			12.0	
Standard deviation		0.501			0.457			0.518			0.584	

Notes

When WIC applicants or participants have blood test values below the criteria listed in this table, they are considered to be at nutritional risk. Hemoglobin values are reported in grams per deciliter. Hematocrit values are reported as percents.

All State WIC agencies establish nutritional risk eligibility criteria for pregnant women: 48 States reported trimester based criteria for both hemoglobin and hematocrit values; 33 States reported constant criteria for both hemoglobin and hematocrit values. Two States reported constant criteria for hemoglobin values and trimester-based criteria for hematocrit values; and one State reported trimester-based criteria for hemoglobin values and constant criteria for hematocrit values.

Calculations for measure of central tendency are based on numbers of States reporting eligibility criteria for specific blood measures.

Summary of State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Breastfeeding and Postpartum Women

Hemoglobin Value	Breastfeeding Women			Postpartum Women		
	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent
10.0	1	1.3%	1.3%	1	1.3%	1.3%
10.9	2	2.5	3.8	2	2.6	3.9
11.0	4	5.1	8.9	5	6.5	10.4
11.3	1	1.3	10.1	2	2.6	13.0
11.4	1	1.3	11.4	0	0.0	13.0
11.5	1	1.3	12.7	1	1.3	14.3
11.7	1	1.3	13.9	1	1.3	15.6
11.9	18	22.8	36.7	18	23.4	39.0
12.0	28	35.4	72.2	26	33.8	72.7
12.07	1	1.3	73.4	1	1.3	74.0
12.1	0	0.0	73.4	1	1.3	75.3
12.2	4	5.1	78.5	3	3.9	79.2
12.25	1	1.3	79.7	1	1.3	80.5
12.3	5	6.3	86.1	3	3.9	84.4
12.4	4	5.1	91.1	5	6.5	90.9
12.6	4	5.1	96.2	4	5.2	96.1
12.7	1	1.3	97.5	2	2.6	98.7
13.0	1	1.3	98.7	0	0.0	98.7
13.1	1	1.3	100.0	1	1.3	100.0
Total Reporting	79			77		
Median		12.0			12.0	
Mean		12.0			11.9	
Mode		12.0			12.0	
Standard deviation		0.469			0.481	

Notes

When WIC applicants or participants have blood test values below the criteria listed in this table, they are considered to be at nutritional risk. Hemoglobin values are reported in grams per deciliter. Hematocrit values are reported as percents.

All State WIC agencies establish nutritional risk eligibility criteria for breastfeeding and postpartum women: three States reported criteria only for hemoglobin values; three States reported criteria only for hematocrit values; one State did not report any criteria for hemoglobin or hematocrit values; and 77 States reported criteria for both hemoglobin and hematocrit values.

Calculations for measures of central tendency are based on numbers of States reporting eligibility criteria for specific blood measures.

Exhibit E.5.38A-3

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Northeast						
Connecticut				12.0	12.0	12.0
Maine	11.0	10.5	11.0		12.0	12.0
Massachusetts				12.0	12.0	12.0
New Hampshire	12.0	12.0	11.0		12.0	12.0
New York				12.0	12.0	12.0
Rhode Island	11.0	10.5	11.0		12.0	12.0
Vermont	12.0	11.0	12.0		12.6	12.6
Indian Township (ME)				11.9	11.9	
Pleasant Point (ME)						
Seneca Nation (NY)				12.0	12.0	12.0
Mid-Atlantic						
Delaware				11.5	12.0	12.0
District of Columbia				11.0	11.0	11.0
Maryland				11.0	11.0	11.0
New Jersey				12.0	12.0	12.0
Pennsylvania				11.3	11.3	11.3
Puerto Rico				11.9	11.9	11.9
Virginia				10.9	11.9	11.9
Virgin Islands				12.0	12.0	10.0
West Virginia	11.0	10.5	11.0		12.0	12.0

Exhibit E.5.38A-3 (continued)

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Southeast						
Alabama				11.3	12.3	11.3
Florida	12.2	11.6	12.2		12.2	12.1
Georgia				11.9	11.9	11.9
Kentucky				12.0	12.0	12.0
Mississippi				11.0	12.0	12.0
North Carolina	11.0	10.5	11.0		12.0	12.0
South Carolina	11.0	10.5	11.0		12.0	12.0
Tennessee				11.7	11.7	11.7
Eastern Band-Cherokee (NC)	11.0	10.5	11.0		12.0	12.0
Mississippi Choctaw				11.0	11.0	11.0
Seminole Tribe (FL)				12.0	12.0	12.0
Midwest						
Illinois	10.9	10.4	10.9		11.9	11.9
Indiana	10.9	10.4	10.9		11.9	11.9
Michigan	11.5	10.8	10.6		12.4	12.4
Minnesota	11.2	10.7	11.2		12.2	12.2
Ohio	11.0	10.5	11.0		12.0	12.0
Wisconsin	10.9	10.4	10.9		11.9	11.9

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix E

Exhibit E.5.38A-3 (continued)

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Southwest						
Arkansas				12.0	13.0	11.0
Louisiana				10.9	10.9	10.9
New Mexico	11.7	11.3	11.7		12.7	12.7
Oklahoma	11.9	10.4	10.9		11.9	11.9
Texas	12.3	11.3	11.3		12.3	12.3
ACL WIC (NM)				13.1	13.1	13.1
Cherokee Nation (OK)				12.0	12.0	12.0
Chickasaw Nation (OK)				12.0	12.0	12.0
Choctaw Nation (OK)				12.0	12.0	12.0
Citizen-Potawatomi (OK)				12.0	12.0	12.0
Eight Northern Pueblos (NM)	11.6	11.1	12.9		12.3	12.3
Five Sandoval Pueblos (NM)						
ITC-Oklahoma				10.0	10.0	
Otoe-Missouria (OK)				12.0	12.0	12.0
Pueblo of Isleta (NM)				12.3	12.3	12.7
Pueblo of San Felipe (NM)				12.3	12.3	12.3
Pueblo of Zuni (NM)				12.4	12.4	12.4
Santo Domingo (NM)	11.6	11.2	11.6		12.6	12.6
WCD (OK)						

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Exhibit E.5.38A-3 (continued)

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Mountain Plains						
Colorado	10.9	10.4	10.9	11.0		11.9
Iowa	10.9	10.4	10.9		11.9	11.9
Kansas	11.3	10.9	11.0		12.3	12.3
Missouri					11.0	11.0
Montana	12.3	11.6	11.9		12.6	12.6
Nebraska	11.1	10.6	11.1		12.1	12.1
North Dakota	11.2	10.7	11.2		12.2	12.2
South Dakota	11.0	10.5	10.5		12.0	12.0
Utah	11.7	10.7	11.2		12.2	12.2
Wyoming	11.6	11.1	11.6		12.6	12.6
Cheyenne River Sioux (SD)	10.9	10.4	10.9	11.9	11.9	
NIITDC (NE)						
Rosebud Sioux (SD)	12.0	11.0	11.0		12.0	12.0
Shoshone-Arapahoe (WY)	12.7	12.0	12.7		12.4	12.4
Standing Rock Sioux (ND)	11.2	11.0	12.0		12.0	12.0
Three Affiliated (ND)	11.9	10.9	10.9		11.9	11.9
Ute Mountain Ute (CO)	11.4	10.9	11.4		12.4	12.4

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix E

Exhibit E.5.38A-3 (continued)

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Western						
Alaska	10.9	10.4	10.9		11.9	
Arizona	10.9	10.4	10.9		11.9	11.9
California				11.9	11.9	11.9
Guam				11.5	11.5	11.5
Hawaii	11.9	11.9	10.9		10.9	10.9
Idaho	11.9	10.9	10.4		11.9	11.9
Nevada	11.0	10.5	11.4		12.0	11.9
Oregon	10.9	10.4	10.9		11.9	11.9
Washington	12.0	11.0	11.0		12.0	12.0
ITC-Arizona	10.9	10.4	10.9		11.9	11.9
ITC-Nevada (AZ)	10.9	10.4	10.9		11.9	11.9
Navajo Nation	11.4	10.9	11.4		11.4	12.4

Exhibit E.5.38B-1

Summary of State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Infants and Children

Hemoglobin Value	Infants			Children (Age at Certification)					
				1 Year Old			2 - 4 Years Old		
	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent
9.9	2	2.5%	2.5%	1	1.3%	1.3%	0	0.0%	0.0%
10.0	0	0.0	2.5	1	1.3	2.5	0	0.0	0.0
10.3	1	1.3	3.7	1	1.3	3.7	1	1.3	1.3
10.4	1	1.3	5.0	0	0.0	3.7	0	0.0	1.3
10.5	1	1.3	6.2	1	1.3	5.0	0	0.0	1.3
10.9	17	21.3	27.5	18	22.5	27.5	8	10.1	11.4
11.0	30	37.5	65.0	24	30.0	57.5	18	22.8	34.2
11.07	1	1.3	66.2	1	1.3	58.7	0	0.0	34.2
11.1	1	1.3	67.5	1	1.3	60.0	10	12.7	46.8
11.2	5	6.2	73.7	5	6.2	66.2	9	11.4	58.2
11.25	1	1.3	75.0	0	0.0	66.2	0	0.0	58.2
11.27	0	0.0	75.0	0	0.0	66.2	1	1.3	59.5
11.3	5	6.2	81.2	4	5.0	71.2	4	5.1	64.6
11.4	4	5.0	86.2	5	6.2	77.5	6	7.6	72.2
11.45	0	0.0	86.2	1	1.3	78.7	1	1.3	73.4
11.5	3	3.7	90.0	7	8.8	87.5	8	10.1	83.5
11.6	3	3.7	93.7	3	3.7	91.2	2	2.5	86.1
11.7	2	2.5	96.2	2	2.5	93.7	0	0.0	86.1
11.8	0	0.0	96.2	0	0.0	93.7	2	2.5	88.6
11.9	2	2.5	98.7	3	3.7	97.5	5	6.3	94.9

Exhibit 5.38B-1 (continued)

Summary of State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Infants and Children

Hemoglobin Value	Infants			Children (Age at Certification)					
				1 Year Old			2 - 4 Years Old		
	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent
12.0	0	0.0	98.7	1	1.3	98.7	3	3.8	98.7
12.1	0	0.0	98.7	0	0.0	98.7	1	1.3	100.0
12.6	1	1.3	100.0	0	0.0	98.7	0	0.0	100.0
13.3	0	0.0	100.0	1	1.3	100.0	0	0.0	100.0
Total reporting	80			80			79		
Median		11.0			11.0			11.2	
Mean		11.1			11.2			11.3	
Mode		11.0			11.0			11.0	
Standard deviation		0.381			0.440			0.345	

Notes

When WIC applicants or participants have blood test values below the criteria listed in this table, they are considered to be at nutritional risk. Hemoglobin values are reported in grams per deciliter. Hematocrit values are reported as percents.

All State WIC agencies establish nutritional risk eligibility criteria for infants and children: two States reported criteria only for hemoglobin values; three States reported criteria for hematocrit values; 78 States reported criteria for both hemoglobin and hematocrit values; and one state reported did not report data for hemoglobin or hematocrit values.

Calculations for measures of central tendency are based on numbers of States reporting eligibility criteria for specific blood measures.

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Infants and Children

State	Infants	Children	
		1 Year Old	2 - 4 Years Old
<i>Northeast</i>			
Connecticut	11.00	10.90	11.40
Maine	11.00	11.00	11.20
Massachusetts	11.00	11.00	11.00
New Hampshire	11.00	11.00	11.00
New York	11.00	11.00	11.00
Rhode Island	11.30	11.20	11.20
Vermont	11.50	11.50	11.50
Indian Township (ME)	10.90	10.90	10.90
Pleasant Point (ME)			
Seneca Nation (NY)	11.00	11.00	11.00
<i>Mid-Atlantic</i>			
Delaware	11.50	11.50	11.50
District of Columbia	11.00	11.00	11.00
Maryland	11.00	11.50	11.50
New Jersey	11.00	11.00	11.00
Pennsylvania	11.30	11.30	11.30
Puerto Rico	11.90	11.90	11.90
Virginia	10.90	10.90	10.90
Virgin Islands	11.00	11.50	11.50
West Virginia	11.00	11.00	11.20

Exhibit E.5.38B-2 (continued)

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Infants and Children

State	Infants	1 Year Old	Children
			2 - 4 Years Old
<i>Southeast</i>			
Alabama	11.30	13.30	11.30
Florida	11.20	11.40	11.40
Georgia	11.30	11.30	11.90
Kentucky	11.20	11.20	11.20
Mississippi	11.00	11.00	11.00
North Carolina	11.00	11.50	11.50
South Carolina	11.00	11.00	11.20
Tennessee	11.00	11.00	11.00
Eastern Band-Cherokee (NC)	11.00	11.50	11.50
Mississippi Choctaw	11.00	11.00	11.00
Seminole Tribe (FL)	11.00	11.00	11.00
<i>Midwest</i>			
Illinois	10.90	10.90	11.10
Indiana	10.90	10.90	11.10
Michigan	10.50	10.50	11.30
Minnesota	11.10	11.10	11.10
Ohio	11.00	11.00	11.20
Wisconsin	10.90	10.90	11.20

Exhibit E.5.38B-2 (continued)

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Infants and Children

State	Infants	Children	
		1 Year Old	2 - 4 Years Old
<i>Southwest</i>			
Arkansas	11.60	12.00	12.00
Louisiana	10.90	10.90	10.90
New Mexico	11.70	11.70	12.00
Oklahoma	10.90	10.90	
Texas	11.25	11.45	11.45
ACL WIC (NM)	11.40	11.40	12.10
Cherokee Nation (OK)	11.00	11.00	11.00
Chickasaw Nation (OK)	11.00	11.00	11.00
Choctaw Nation (OK)	11.00	11.00	11.00
Citizen-Potawatomi (OK)	11.00	11.00	11.00
Eight Northern Pueblos (NM)	11.60	11.60	11.80
Five Sandoval Pueblos (NM)			
ITC-Oklahoma	9.90	10.00	11.00
Otoe-Missouria (OK)	11.00	11.00	11.00
Pueblo of Isleta (NM)	11.70	11.70	12.00
Pueblo of San Felipe (NM)	10.30	10.30	10.30
Pueblo of Zuni (NM)	10.40	11.40	11.40
Santo Domingo (NM)	12.60	11.90	11.90
WCD (OK)			

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix E

Exhibit E.5.38B-2 (continued)

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Infants and Children

State	Infants	1 Year Old	Children
			2 - 4 Years Old
<i>Mountain Plains</i>			
Colorado	10.90	10.90	11.10
Iowa	10.90	10.90	10.90
Kansas	11.30	11.30	11.50
Missouri	11.00	11.00	11.00
Montana	11.90	11.90	11.90
Nebraska	11.07	11.07	11.27
North Dakota	11.20	11.20	11.40
South Dakota	11.00	11.00	11.10
Utah	11.20	11.20	11.40
Wyoming	11.60	11.60	11.80
Cheyenne River Sioux (SD)	10.90	10.90	10.90
NIITDC (NE)			
Rosebud Sioux (SD)	11.00	11.00	11.00
Shoshone-Arapahoe (WY)	11.40	11.40	11.60
Standing Rock Sioux (ND)	11.20	11.20	11.40
Three Affiliated (ND)	11.00	11.30	11.30
Ute Mountain Ute (CO)	11.40	11.60	11.60

Exhibit E.5.38B-2 (continued)

State Nutritional Risk Eligibility Criteria for Hemoglobin Values for Infants and Children

State	Infants	Children	
		1 Year Old	2 - 4 Years Old
Western			
Alaska	10.90	10.90	11.10
Arizona	10.90	10.90	11.10
California	10.90	10.90	10.90
Guam	11.50	11.50	11.50
Hawaii	9.90	9.90	10.90
Idaho	10.90	10.90	11.90
Nevada	11.00	11.00	11.20
Oregon	10.90	10.90	11.10
Washington	11.00	11.00	11.20
ITC-Arizona	10.90	10.90	11.10
ITC-Nevada	10.90	10.90	10.90
Navajo Nation (AZ)	11.40	11.40	11.10

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Appendix E

Exhibit E.5.38C-1

Summary of State Nutritional Risk Eligibility Criteria for Hematocrit Values for Pregnant Women

Hematocrit Value	States with Criteria by Trimester									States with a Constant Criterion		
	First Trimester			Second Trimester			Third Trimester					
	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent
31.0	0	0.0%	0.0%	1	2.1%	2.1%	0	0.0%	0.0%	0	0.0%	0.0%
31.9	0	0.0	0.0	11	23.4	25.5	0	0.0	0.0	0	0.0	0.0
32.0	1	2.1	2.1	10	21.3	46.8	3	6.4	6.4	0	0.0	0.0
32.4	0	0.0	2.1	1	2.1	48.9	0	0.0	6.4	0	0.0	0.0
32.9	10	21.3	23.4	3	6.4	55.3	11	23.4	29.8	0	0.0	0.0
33.0	10	21.3	44.7	4	8.5	63.8	10	21.3	51.1	3	8.8	8.8
33.4	1	2.1	46.8	1	2.1	66.0	1	2.1	53.2	0	0.0	8.8
33.5	0	0.0	46.8	2	4.3	70.2	1	2.1	55.3	0	0.0	8.8
33.9	3	6.4	53.2	5	10.6	80.9	6	12.8	68.1	3	8.8	17.6
34.0	1	2.1	55.3	3	6.4	87.2	3	6.4	74.5	6	17.6	35.3
34.4	1	2.1	57.4	0	0.0	87.2	1	2.1	76.6	0	0.0	35.3
34.9	4	8.5	66.0	0	0.0	87.2	4	8.5	85.1	1	2.9	38.2
35.0	3	6.4	72.3	1	2.1	89.4	3	6.4	91.5	3	8.8	47.1
35.9	2	4.3	76.6	1	2.1	91.5	0	0.0	91.5	2	5.9	52.9
36.0	2	4.3	80.9	2	4.3	95.7	3	6.4	97.9	9	26.5	79.4
36.5	1	2.1	83.0	0	0.0	95.7	0	0.0	97.9	0	0.0	79.4
36.9	2	4.3	87.2	1	2.1	97.9	0	0.0	97.9	1	2.9	82.4
37.0	4	8.5	95.7	1	2.1	100.0	1	2.1	100.0	3	8.8	91.2
37.9	1	2.1	97.9	0	0.0	100.0	0	0.0	100.0	1	2.9	94.1
38.0	1	2.1	100.0	0	0.0	100.0	0	0.0	100.0	2	5.9	100.0
Total Reporting	47			47			47			34		
Median		33.9			32.9			33.0			35.9	
Mean		34.4			33.1			33.7			35.4	
Mode		32.9			31.9			32.9			36.0	
Standard deviation		1.684			1.451			1.136			1.455	

Notes

When WIC applicants or participants have blood test values below the criteria listed in this table, they are considered to be at nutritional risk. Hemoglobin values are reported in grams per deciliter. Hematocrit values are reported as percents.

All State WIC agencies establish nutritional risk eligibility criteria for pregnant women: 48 States reported trimester-based criteria for both hemoglobin and hematocrit values; 33 States reported constant criteria for both hemoglobin and hematocrit values. Two States reported constant criteria for hemoglobin values and trimester-based criteria for hematocrit values; and one State reported trimester-based criteria for hemoglobin values and constant criteria for hematocrit values.

Calculations for measure of central tendency are based on numbers of States reporting eligibility criteria for specific blood measures.

Exhibit E.5.38C-2

Summary of State Nutritional Risk Eligibility Criteria for Hematocrit Values for Breastfeeding and Postpartum Women

Hematocrit Value	Breastfeeding Women			Postpartum Women		
	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent
30.0	0	0.0%	0.0%	1	1.3%	1.3%
33.0	2	2.5	2.5	3	3.8	5.1
33.9	3	3.8	6.3	3	3.8	8.9
34.0	4	5.1	11.4	5	6.3	15.2
34.9	1	1.3	12.7	1	1.3	16.5
35.0	2	2.5	15.2	2	2.5	19.0
35.4	0	0.0	15.2	1	1.3	20.3
35.9	13	16.5	31.6	12	15.2	35.4
36.0	22	27.8	59.5	21	26.6	62.0
36.4	1	1.3	60.8	1	1.3	63.3
36.5	1	1.3	62.0	1	1.3	64.6
36.9	5	6.3	68.4	6	7.6	72.2
37.0	11	13.9	82.3	9	11.4	83.5
37.9	6	7.6	89.9	6	7.6	91.1
38.0	7	8.9	98.7	7	8.9	100.0
38.5	1	1.3	100.0	0	0.0	100.0
Total reporting	79			79		
Median		36.0			36.0	
Mean		36.2			36.1	
Mode		36.0			36.0	
Standard deviation		1.225			1.448	

Notes

When WIC applicants or participants have blood test values below the criteria listed in this table, they are considered to be at nutritional risk. Hemoglobin values are reported in grams per deciliter. Hematocrit values are reported as percents.

All State WIC agencies establish nutritional risk eligibility criteria for breastfeeding and postpartum women; three States reported criteria only for hemoglobin values; three States reported criteria only for hematocrit values; one State did not report criteria for hemoglobin or hematocrit values; and 77 States reported criteria for both hemoglobin and hematocrit values.

Calculations for measures of central tendency are based on numbers of States reporting eligibility criteria for specific blood measures.

Exhibit E.5.38C-3

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Northeast						
Connecticut				36.0	36.0	36.0
Maine	33.0	32.0	33.0		37.0	37.0
Massachusetts				36.0	36.0	36.0
New Hampshire	37.0	37.0	34.0		37.0	37.0
New York				37.0	37.0	37.0
Rhode Island	33.0	32.0	33.0		36.0	36.0
Vermont	36.0	33.0	36.0		38.0	38.0
Indian Township (ME)	36.9	36.9	36.9			
Pleasant Point (ME)						
Seneca Nation (NY)				37.0	37.0	37.0
Mid-Atlantic						
Delaware	33.0	33.0	33.0		36.0	36.0
District of Columbia				33.0	33.0	33.0
Maryland				33.0	33.0	33.0
New Jersey				37.0	37.0	37.0
Pennsylvania				34.0	34.0	34.0
Puerto Rico				33.9	33.9	33.9
Virginia	33.9	33.9	33.9		36.9	36.9
Virgin Islands	35.0	35.0	35.0		36.0	30.0
West Virginia	33.0	32.0	33.0		36.0	36.0

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Southeast						
Alabama				34.0	37.0	34.0
Florida	37.0	36.0	37.0		37.0	36.9
Georgia				35.9	35.9	35.9
Kentucky				36.0	36.0	36.0
Mississippi	34.0	34.0	34.0		37.0	37.0
North Carolina	33.0	32.0	33.0		36.0	36.0
South Carolina	33.0	32.0	33.0		36.0	36.0
Tennessee				35.0	35.0	35.0
Eastern Band-Cherokee (NC)	33.0	32.0	33.0		36.0	36.0
Mississippi Choctaw				34.0	34.0	34.0
Seminole Tribe (FL)				36.0	36.0	36.0
Midwest						
Illinois	32.9	31.9	32.9		35.9	35.9
Indiana	32.9	31.9	32.9		35.9	35.9
Michigan	35.0	33.0	32.0		37.0	37.0
Minnesota	33.9	32.9	33.9		36.9	36.9
Ohio	33.0	32.0	33.0		36.0	36.0
Wisconsin	32.0	31.0	32.0		35.0	35.0

Exhibit E.5.38C-3 (continued)

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Southwest						
Arkansas	35.0	35.0	35.0		38.5	33.0
Louisiana				33.9	33.9	33.9
New Mexico	35.0	34.0	35.0		38.0	38.0
Oklahoma	35.9	31.9	32.9		35.9	35.9
Texas	36.5	33.5	33.5		36.5	36.5
ACL WIC (NM)				38.0	38.0	38.0
Cherokee Nation (OK)				36.0	36.0	36.0
Chickasaw Nation (OK)				36.0	36.0	36.0
Choctaw Nation (OK)						
Citizen-Potawatomi (OK)				36.0	36.0	36.0
Eight Northern Pueblos (NM)	34.9	33.9	34.9		37.9	37.9
Five Sandoval Pueblos (NM)	38.0	36.0	35.0		38.0	38.0
ITC-Oklahoma				35.9	35.9	35.9
Otoe-Missouria (OK)				36.0	36.0	36.0
Pueblo of Isleta (NM)				37.9	37.9	37.9
Pueblo of San Felipe (NM)	32.9	31.9	32.9		37.9	37.9
Pueblo of Zuni (NM)				38.0	38.0	38.0
Santo Domingo (NM)	35.0	34.0	35.0		38.0	38.0
WCD (OK)				36.0	36.0	36.0

Exhibit E.5.38C-3 (continued)

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Mountain Plains						
Colorado	34.9	33.9	34.9	34.0		35.9
Iowa	32.9	31.9	32.9		35.9	35.9
Kansas	34.0	33.0	33.0		37.0	37.0
Missouri					34.0	34.0
Montana	37.0	35.0	36.0		38.0	38.0
Nebraska	33.4	32.4	33.4		36.4	36.4
North Dakota	33.9	32.9	33.9		36.9	36.9
South Dakota	33.0	32.0	32.0		36.0	36.0
Utah	35.9	32.9	33.9		36.9	36.9
Wyoming	34.9	33.9	34.9		37.9	37.9
Cheyenne River Sioux (SD)	32.9	31.9	32.9	35.9	35.9	
NIITDC (NE)	33.0	32.0	33.0	36.0	36.0	
Rosebud Sioux (SD)	37.0	34.0	34.0	37.0	37.0	
Shoshone-Arapahoe (WY)						
Standing Rock Sioux (ND)	33.9	33.5	36.0	36.0	36.0	
Three Affiliated (ND)	36.9	33.9	33.9	36.9	36.9	
Ute Mountain Ute (CO)	34.9	33.9	34.9	37.9	37.9	

Exhibit E.5.38C-3 (continued)

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Pregnant, Breastfeeding, and Postpartum Women by State

State	Pregnant Women			Constant Criterion	Breastfeeding Women	Postpartum Women
	First Trimester	Second Trimester	Third Trimester			
Western						
Alaska	32.9	31.9	32.9		35.9	
Arizona	32.9	31.9	32.9		35.9	35.9
California				34.9	34.9	34.9
Guam				34.0	34.0	34.0
Hawaii	36.9	36.9	33.9		33.9	33.9
Idaho	37.9	35.9	33.9		37.9	37.9
Nevada	33.0	32.0	34.0		36.0	36.0
Oregon	32.9	31.9	32.9		35.9	35.9
Washington	36.0	33.0	33.0		36.0	36.0
ITC-Arizona	32.9	31.9	32.9		35.9	35.9
ITC-Nevada	32.9	31.9	32.9		35.9	35.9
Navajo Nation (AZ)	34.4	33.4	34.4		35.9	35.4

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Summary of State Nutritional Risk Eligibility Criteria for Hematocrit Values for Infants and Children

Hematocrit Value	Infants			Children (Age at Certification)					
				1 Year Old			2 - 4 Years Old		
	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent	Number	Percent	Cumulative Percent
30.9	2	2.5%	2.5%	1	1.2%	1.2%	0	0.0%	0.0%
31.0	0	0.0	2.5	1	1.2	2.5	0	0.0	0.0
32.9	13	16.3	18.8	12	14.8	17.3	1	1.2	1.2
33.0	19	23.8	42.5	14	17.3	34.6	3	3.7	4.9
33.4	1	1.3	43.7	1	1.2	35.8	0	0.0	4.9
33.5	1	1.3	45.0	0	0.0	35.8	0	0.0	4.9
33.9	8	10.0	55.0	10	12.3	48.1	18	22.2	27.2
34.0	26	32.5	87.5	28	34.6	82.7	36	44.4	71.6
34.4	1	1.3	88.7	1	1.2	84.0	1	1.2	72.8
34.5	0	0.0	88.7	1	1.2	85.2	3	3.7	76.5
34.9	3	3.7	92.5	4	4.9	90.1	2	2.5	79.0
35.0	2	2.5	95.0	2	2.5	92.6	1	1.2	80.2
35.4	0	0.0	95.0	0	0.0	92.6	1	1.2	81.5
35.5	0	0.0	95.0	1	1.2	93.8	1	1.2	82.7
35.9	0	0.0	95.0	1	1.2	95.1	6	7.4	90.1
36.0	2	2.5	97.5	4	4.9	100.0	8	9.9	100.0
37.9	1	1.3	98.7	0	0.0	100.0	0	0.0	100.0
38.0	1	1.3	100.0	0	0.0	100.0	0	0.0	100.0
Total reporting	80			81			81		
Median		33.9			34.0			34.0	
Mean		33.7			33.8			34.4	
Mode		34.0			34.0			34.0	
Standard deviation		1.076			0.944			0.849	

Notes

When WIC applicants or participants have blood test values below the criteria listed in this table, they are considered to be at nutritional risk. Hemoglobin values are reported in grams per deciliter. Hematocrit values are reported as percents.

All State WIC agencies establish nutritional risk eligibility criteria for infants and children. Two States reported criteria only for hemoglobin values; three States reported criteria for hematocrit values; one State did not report criteria for hemoglobin or hematocrit values; and 78 States reported criteria for both hemoglobin and hematocrit values.

Calculations for measures of central tendency are based on numbers of States reporting eligibility criteria for specific blood measures.

Exhibit E.5.38D-2

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Infants and Children

State	Infants	Children	
		1 Year Old	2 - 4 Years Old
Northeast			
Connecticut	33.00	32.90	33.90
Maine	33.00	33.00	34.00
Massachusetts	34.00	34.00	34.00
New Hampshire	34.00	34.00	34.00
New York	34.00	34.00	34.00
Rhode Island	34.00	34.00	34.00
Vermont	34.00	34.00	34.00
Indian Township (ME)		33.90	33.90
Pleasant Point (ME)			
Seneca Nation (NY)	34.00	34.00	34.00
Mid-Atlantic			
Delaware	33.00	33.00	33.00
District of Columbia	33.00	33.00	33.00
Maryland	33.00	34.00	34.00
New Jersey	34.00	34.00	34.00
Pennsylvania	34.00	34.00	34.00
Puerto Rico	33.90	33.90	33.90
Virginia	33.90	33.90	33.90
Virgin Islands	34.00	35.50	35.50
West Virginia	33.00	33.00	34.00

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Infants and Children

State	Infants	1 Year Old	Children
			2 - 4 Years Old
<i>Southeast</i>			
Alabama	34.00	34.00	34.00
Florida	34.00	34.00	34.00
Georgia	33.90	33.90	35.90
Kentucky	34.00	34.00	34.00
Mississippi	34.00	34.00	34.00
North Carolina	33.00	34.00	34.00
South Carolina	33.00	33.00	34.00
Tennessee	33.00	33.00	33.00
Eastern Band-Cherokee (NC)	33.00	34.00	34.00
Mississippi Choctaw	34.00	34.00	34.00
Seminole Tribe (FL)	34.00	34.00	34.00
<i>Midwest</i>			
Illinois	32.90	32.90	33.90
Indiana	32.90	32.90	33.90
Michigan	33.00	33.00	34.00
Minnesota	33.90	33.09	33.90
Ohio	33.00	33.00	34.00
Wisconsin	32.90	32.90	33.90

Exhibit E.5.38D-2 (continued)

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Infants and Children

State	Infants	Children	
		1 Year Old	2 - 4 Years Old
<i>Southwest</i>			
Arkansas	36.00	36.00	36.00
Louisiana	33.90	33.90	33.90
New Mexico	35.00	35.00	36.00
Oklahoma	32.90	32.90	33.90
Texas	33.50	34.50	34.50
ACL WIC (NM)	33.00	33.00	36.00
Cherokee Nation (OK)	34.00	34.00	34.00
Chickasaw Nation (OK)	34.00	34.00	34.00
Choctaw Nation (OK)			
Citizen-Potawatomi (OK)	34.00	34.00	34.00
Eight Northern Pueblos (NM)	34.90	34.90	36.00
Five Sandoval Pueblos (NM)	35.00	35.00	36.00
ITC-Oklahoma	30.90	31.00	34.00
Otoe-Missouria (OK)	34.00	34.00	34.00
Pueblo of Isleta (NM)	32.90	32.90	35.90
Pueblo of San Felipe (NM)	37.90	35.90	35.90
Pueblo of Zuni (NM)	33.00	36.00	36.00
Santo Domingo (NM)	38.00	36.00	36.00
WCD (OK)	34.00	34.00	34.00

Exhibit E.5.38D-2 (continued)

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Infants and Children

State	Infants	Children	
		1 Year Old	2 - 4 Years Old
<i>Mountain Plains</i>			
Colorado	32.90	34.90	35.90
Iowa	32.90	32.90	33.90
Kansas	34.00	34.00	35.00
Missouri	34.00	34.00	34.00
Montana	36.00	36.00	36.00
Nebraska	33.40	33.40	34.40
North Dakota	34.00	33.90	34.50
South Dakota	33.00	33.00	33.90
Utah	33.90	33.90	34.90
Wyoming	34.90	34.90	35.90
Cheyenne River Sioux (SD)	32.90	32.90	32.90
NIITDC (NE)	33.00	33.00	34.00
Rosebud Sioux (SD)	34.00	34.00	34.00
Shoshone-Arapahoe (WY)			
Standing Rock Sioux (ND)	34.00	34.00	34.50
Three Affiliated (ND)	33.00	34.00	34.00
Ute Mountain Ute (CO)	34.90	34.90	35.90

Exhibit E.5.38D-2 (continued)

State Nutritional Risk Eligibility Criteria for Hematocrit Values for Infants and Children

State	Infants	Children	
		1 Year Old	2 - 4 Years Old
Western			
Alaska	32.90	33.00	34.00
Arizona	32.90	32.90	33.90
California	33.90	33.90	33.90
Guam	34.00	34.00	34.00
Hawaii	30.90	30.90	33.90
Idaho	33.90	33.90	34.90
Nevada	33.00	33.00	34.00
Oregon	32.90	32.90	33.90
Washington	33.00	33.00	34.00
ITC-Arizona	32.90	32.90	33.90
Navajo Nation (AZ)	34.40	34.40	35.40
ITC-Nevada	32.90	32.90	33.90

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APPENDIX F

DISTRIBUTION OF MIGRANT WIC PARTICIPANTS BY STATE

Distribution of Migrant WIC Participants by State

Region or State	Number of Migrants	Percent of State WIC	Percent of US WIC Migrants
<i>US WIC</i>	48,141		100.0%
<i>Northeast</i>	1,220	0.2%	2.5
Connecticut	0	0.0	0.0
Maine	37	0.1	0.1
Massachusetts	0	0.0	0.0
New Hampshire	7	0.0	0.0
New York	1,137	0.2	2.4
Rhode Island	5	0.0	0.0
Vermont	33	0.2	0.1
Indian Township (ME)	0	0.0	0.0
Pleasant Point (ME)	0	0.0	0.0
Seneca Nation (NY)	1	0.3	0.0
<i>Mid-Atlantic</i>	1,544	0.2	3.2
Delaware	4	0.0	0.0
District of Columbia	0	0.0	0.0
Maryland	108	0.1	0.2
New Jersey	102	0.1	0.2
Pennsylvania	328	0.1	0.7
Puerto Rico	654	0.4	1.4
Virginia	318	0.2	0.7
Virgin Islands	0	0.0	0.0
West Virginia	30	0.1	0.1

Migrant status was not reported for 1.1% of WIC participants in PC94

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

Exhibit F.7.1A (continued)

Distribution of Migrant WIC Participants by State

Region or State	Number of Migrants	Percent of State WIC	Percent of US WIC Migrants
<i>Southeast</i>	17,361	1.3	36.1
Alabama	188	0.2	0.4
Florida	13,623	3.9	28.3
Georgia	1,151	0.5	2.4
Kentucky	0	0.0	0.0
Mississippi	0	0.0	0.0
North Carolina	2,027	1.1	4.2
South Carolina	264	0.2	0.5
Tennessee	107	0.1	0.2
Eastern Band—Cherokee (NC)	1	0.2	0.0
Mississippi Choctaw	0	0.0	0.0
Seminole Tribe (FL)	0	0.0	0.0
<i>Midwest</i>	6,579	0.6	13.7
Illinois	875	0.4	1.8
Indiana	283	0.2	0.6
Michigan	3,893	1.7	8.1
Minnesota	771	0.8	1.6
Ohio	516	0.2	1.1
Wisconsin	241	0.2	0.5

Migrant status was not reported for 1.1% of WIC participants in PC94.

Source: 1994 Study of WIC Participant and Program Characteristics (PC94)

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Appendix F

Exhibit F.7.1A (continued)

Distribution of Migrant WIC Participants by State

Region or State	Number of Migrants	Percent of State WIC	Percent of US WIC Migrants
<i>Southwest</i>	10,521	1.1	21.9
Arkansas	146	0.2	0.3
Louisiana	281	0.2	0.6
New Mexico	31	0.0	0.1
Oklahoma	6	0.0	0.0
Texas	10,000	1.6	20.8
ACL (NM)	0	0.0	0.0
Cherokee Nation (OK)	0	0.0	0.0
Chickasaw Nation (OK)	0	0.0	0.0
Choctaw Nation (OK)	0	0.0	0.0
Citizen-Potawatomi (OK)	8	0.6	0.0
Eight Northern Pueblos (NM)	0	0.0	0.0
Five Sandoval Pueblos (NM)	16	3.0	0.0
ITC-Oklahoma	0	0.0	0.0
Otoe-Missouria (OK)	0	0.0	0.0
Pueblo of Isleta (NM)	0	0.0	0.0
Pueblo of San Felipe (NM)	0	0.0	0.0
Pueblo of Zuni (NM)	0	0.0	0.0
Santo Domingo (NM)	0	0.0	0.0
WCD (OK)	33	1.7	0.1

Migrant status was not reported for 1.1% of WIC participants in FY 94.

Source: 1994 Study of WIC Participant and Program Characteristics (FY 94)

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Appendix F

Exhibit F.7.1A (continued)

Distribution of Migrant WIC Participants by State

Region or State	Number of Migrants	Percent of State WIC	Percent of US WIC Migrants
<i>Mountain Plains</i>	1,261	0.2	2.6
Colorado	538	0.8	1.1
Iowa	15	0.0	0.0
Kansas	110	0.2	0.2
Missouri	29	0.0	0.1
Montana	32	0.1	0.1
Nebraska	66	0.2	0.1
North Dakota	88	0.5	0.2
South Dakota	7	0.0	0.0
Utah	302	0.5	0.6
Wyoming	74	0.7	0.2
Cheyenne River Sioux (SD)	0	0.0	0.0
NIITDC (NE)	0	0.0	0.0
Rosebud sioux (SD)	0	0.0	0.0
Shoshone-Arapahoe (WY)	0	0.0	0.0
Standing Rock Sioux (ND)	0	0.0	0.0
Three Affiliated (ND)	0	0.0	0.0
Ute Mountain Ute (CO)	0	0.0	0.0

Migrant status was not reported for 1.1% of WIC participants in PC 94

Source: 1994 Study of WIC Participant and Program Characteristics (PC 94)

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Appendix F

Exhibit F.7.1A (continued)

Distribution of Migrant WIC Participants by State

Region or State	Number of Migrants	Percent of State WIC	Percent of US WIC Migrants
<i>Western</i>	9,656	0.8	20.1
Alaska	0	0.0	0.0
Arizona	88	0.1	0.2
California	3,816	0.5	7.9
Guam	37	0.7	0.1
Hawaii	139	0.6	0.3
Idaho	433	1.3	0.9
Nevada	33	0.1	0.1
Oregon	2,455	3.2	5.1
Washington	2,558	2.4	5.3
ITC—Arizona	92	1.0	0.2
ITC—Nevada	5	0.6	0.0
Navajo Nation (AZ)	0	0.0	0.0

Migrant status was not reported for 1.1% of WIC participants in PY 94.

Source: 1994 Study of WIC Participant and Program Characteristics (PY 94)

Appendix F

APPENDIX G

**SUPPLEMENTAL DATA SET
DEFINITIONS
STATE-BY-STATE TABLES**

INTRODUCTION TO SELECTED STATE TABULATIONS FROM THE PC94 SUPPLEMENTAL DATA SET

The 1994 Supplemental Data Set (SDS) [The Optional Data Set (ODS) in 1992] is an example of State WIC Agency use of WIC management information systems to provide supplementary health data on WIC participants. The variables used in the following tabulations were jointly chosen by the Food and Consumer Service (FCS) and the National Association of WIC Directors (NAWD) as factors which would enhance the Minimum Data Set described in the main body of this report.

In 1992, thirty-three States were able to provide data on the supplemental variables. By 1994, fifty States provided such data—a more than 50 percent increase in the number of reporting States. The individual data items reported by the largest number of States for PC94 are: length of time infant or child breastfed, birthweight, total number of pregnancies, prepregnancy weight, and composition of food packages. While the increased number of States reporting SDS data is encouraging, it must be noted that, even among States providing data, a substantial amount of information may be missing. The tabulations in this appendix offer a preliminary glimpse of patterns in the data available to States. These results should be interpreted with caution and with full recognition of the limitations of these data.

The same data elements have been requested from States for the 1996 Study of WIC Participant and Program Characteristics. The tabulations presented here provide feedback to States on ways to examine these data items. It is hoped that, in the future, greater availability of these data items will help States better serve WIC participants.

WIC PROGRAM SUPPLEMENTAL DATA SET SUMMARY

The data items listed below are included in the Optional Data Set. States that are currently collecting these items should include them in both test and April data submissions.

For biennial reports on WIC participant and program characteristics, the term participant means a person on WIC master lists or a person listed in WIC operating files who is certified to receive WIC benefits in April 1994.

The data items should reflect the participant's status on each item at the time of the most recent WIC Program certification as of April 1994. However, as a convenience to State agencies that do not maintain historical files and that update the information in their automated systems during certification periods, current information that is on the file for each participant in April 1994 will be accepted.

- 19a. **Length of Time Breastfed** For infant or child participants, the number of weeks the participant received breastmilk. For breastfeeding and postpartum women, the length of time the current infant or child was breastfed. (Breastfeeding is defined according to USDA regulations.)
- 19b. **Currently Breastfed** For infant or child participants, whether or not the participant is currently receiving breastmilk. For breastfeeding and postpartum women, whether the most recent infant or child is currently breastfed. (Breastfeeding is defined according to USDA regulations.)
20. **Date of First WIC Certification** Date the participant was first certified for the WIC Program. For pregnant, breastfeeding and postpartum women this applies to the current pregnancy and not to prior pregnancies.
21. **Education Level** For pregnant, breastfeeding and postpartum women, the highest grade or year of school completed. For infants and children, the highest grade or year of school completed by mother or primary caretaker.
22. **Number in Household in WIC** The number of people in the participant's household receiving WIC benefits.
23. **Source of Prenatal Care** For pregnant, breastfeeding and postpartum women, source of care for current/most recent pregnancy.
24. **Date When Prenatal Care Began** For pregnant, breastfeeding and postpartum women, the date when prenatal care was begun for the most recent pregnancy.
25. **Date Previous Pregnancy Ended** For pregnant women, the date that the previous pregnancy ended.
26. **Total Number of Pregnancies** For pregnant women, the total number of times the woman has been pregnant, including this pregnancy, all live births and any pregnancies resulting in miscarriage, abortion or stillbirth.

WIC PROGRAM
SUPPLEMENTAL DATA SET SUMMARY (Continued)

27. **Total Number of Live Births** For pregnant women, the total number of babies born alive to this woman, including babies who may have died shortly after birth.
- 28a-b. **Prepregnancy Weight** For pregnant women only, the participant's weight immediately prior to pregnancy. Prepregnancy weight may be reported either in pounds and ounces, or in grams.
- 29a-b. **Weight Gain During Pregnancy** For breastfeeding and postpartum women, the participant's weight gain during pregnancy as taken immediately at or prior to delivery. Weight gain during pregnancy may be reported in either pounds and ounces, or in grams.
- 30a-b. **Birth Weight** For infants and children, the participant's weight at birth measured according to the CDC nutrition surveillance program standards (lbs/ounces). Birth weight may be reported in either pounds and ounces, or in grams.
- 31a-b. **Birth Length** For infants and children, the participant's length measured according to the CDC nutrition surveillance program standards (nearest 1/8 inches). Birth length may be reported in either inches and eighth inches, or in centimeters.
32. **Date of Last Routine Checkup or Immunization** Month, day, and year of the last routine check-up or immunization for infants and children.
33. **Length of Time Mother on WIC During Pregnancy** For infant participants, the length of time mother was on WIC during this infant's prenatal period.
34. **Food Packages** The food package code(s) for the WIC food package or for all food instruments prescribed for the participant for use in the month of April 1994. **States that are reporting this item should deliver their Food Package Coding Scheme along with their tape or diskette showing food types and quantities.**

The following items may be reported at the discretion of individual States.

35. **Erythrocyte Protoporphyrin** That value for the measure of iron status that applies to the WIC Program certification current in April 1994.
36. **Participation in the Food Distribution on Indian Reservations program** The participant's reported participation in this program at the time of the most recent WIC Program certification as of April 1994.

Exhibit G.1

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification													
	1 - 4 Weeks		5 - 8 Weeks		9 - 12 Weeks		13 - 16 Weeks		17 - 20 Weeks		21 - 24 Weeks		25 - 28 Weeks	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Northeast</i>														
Maine														
Infants in category	355		43		23		12		7		15		15	
Infants receiving breastmilk	32	9.0	9	20.9	7	30.4	3	25.0	1	14.3	3	20.0	2	13.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Massachusetts														
Infants in category	1,721		241		106		66		50		37		23	
Infants receiving breastmilk	631	36.7	107	44.4	35	33.0	15	22.7	17	34.0	8	21.6	4	17.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	2	4.0	0	0.0	0	0.0
Rhode Island														
Infants in category	359		69		27		13		11		12		256	
Infants receiving breastmilk	38	10.6	18	26.1	6	22.2	2	15.4	2	18.2	3	25.0	8	3.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vermont														
Infants in category	492		131		29		16		67		119		110	
Infants receiving breastmilk	279	56.7	70	53.4	11	37.9	5	31.3	18	26.9	27	22.7	15	13.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Seneca Nation														
Infants in category	3		0		0		0		0		1		2	
Infants receiving breastmilk	1	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	50.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Exhibit G.1 (continued)

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification													
	1 - 4 Weeks		5 - 8 Weeks		9 - 12 Weeks		13 - 16 Weeks		17 - 20 Weeks		21 - 24 Weeks		25 - 28 Weeks	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mid-Atlantic</i>														
District of Columbia														
Infants in category	373		111		60		27		16		22		32	
Infants receiving breastmilk	65	17.4	28	25.2	12	20.0	4	14.8	3	18.8	0	0.0	7	21.9
Not reported	7	1.9	4	3.6	4	6.7	1	3.7	1	6.3	0	0.0	1	3.1
Maryland														
Infants in category	1,164		427		166		115		82		76		51	
Infants receiving breastmilk	212	18.2	124	29.0	42	25.3	23	20.0	9	11.0	7	9.2	5	9.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
New Jersey														
Infants in category	141		51		17		20		10		23		60	
Infants receiving breastmilk	28	19.9	12	23.5	6	35.3	3	15.0	2	20.0	5	21.7	12	20.0
Not reported	4	2.8	1	2.0	1	5.9	1	5.0	0	0.0	2	8.7	1	1.7
Pennsylvania														
Infants in category	3,985		861		289		164		130		72		72	
Infants receiving breastmilk	652	16.4	200	23.2	55	19.0	20	12.2	19	14.6	10	13.9	7	9.7
Not reported	910	22.8	188	21.8	81	28.0	43	26.2	37	28.5	16	22.2	21	29.2
West Virginia														
Infants in category	691		82		20		31		18		15		15	
Infants receiving breastmilk	96	13.9	7	8.5	4	20.0	6	19.4	0	0.0	4	26.7	3	20.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Southeast</i>														
North Carolina														
Infants in category	3,246		328		119		77		65		42		47	
Infants receiving breastmilk	697	21.5	96	29.3	21	17.6	29	37.7	8	12.3	9	21.4	13	27.7
Not reported	6	0.2	0	0.0	1	0.8	0	0.0	1	1.5	0	0.0	1	2.1
Eastern Band Cherokee														
Infants in category	10		1		1		1		0		0		0	
Infants receiving breastmilk	5	50.0	0	0.0	1	100.0	1	100.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Exhibit G.1 (continued)

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification													
	1 - 4 Weeks		5 - 8 Weeks		9 - 12 Weeks		13 - 16 Weeks		17 - 20 Weeks		21 - 24 Weeks		25 - 28 Weeks	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Midwest														
Illinois														
Infants in category	4,565		882		405		171		131		107		86	
Infants receiving breastmilk	860	18.8	224	25.4	76	18.8	26	15.2	17	13.0	16	15.0	11	12.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Indiana														
Infants in category	2,225		270		97		72		49		33		27	
Infants receiving breastmilk	487	21.9	68	25.2	20	20.6	10	13.9	12	24.5	5	15.2	4	14.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota														
Infants in category	1,255		360		118		58		39		40		34	
Infants receiving breastmilk	466	37.1	255	70.8	80	67.8	39	67.2	22	56.4	28	70.0	23	67.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ohio														
Infants in category	4,711		596		268		160		101		89		3,246	
Infants receiving breastmilk	897	19.0	146	24.5	50	18.7	25	15.6	14	13.9	12	13.5	254	7.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.1 (continued)

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification													
	1 - 4 Weeks		5 - 8 Weeks		9 - 12 Weeks		13 - 16 Weeks		17 - 20 Weeks		21 - 24 Weeks		25 - 28 Weeks	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Southwest														
Arkansas														
Infants in category	1,320		228		83		50		24		25		25	
Infants receiving breastmilk	92	7.0	38	16.7	20	24.1	10	20.0	2	8.3	2	8.0	3	12.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cherokee Nation														
Infants in category	133		16		5		2		3		1		4	
Infants receiving breastmilk	42	31.6	4	25.0	0	0.0	1	50.0	1	33.3	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chickasaw Nation														
Infants in category	41		5		1		0		0		0		2	
Infants receiving breastmilk	10	24.4	1	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Choctaw Nation														
Infants in category	39		2		4		2		0		1		1	
Infants receiving breastmilk	8	20.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pueblo of Zuñi														
Infants in category	7		0		0		0		0		0		0	
Infants receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WCD														
Infants in category	34		3		1		1		1		0		0	
Infants receiving breastmilk	12	35.3	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0
Not reported	22	64.7	3	100.0	1	100.0	1	100.0	0	0.0	0	0.0	0	0.0

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Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification													
	1 - 4 Weeks		5 - 8 Weeks		9 - 12 Weeks		13 - 16 Weeks		17 - 20 Weeks		21 - 24 Weeks		25 - 28 Weeks	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mountain Plains														
Iowa														
Infants in category	803		192		81		58		35		127		376	
Infants receiving breastmilk	18	2.2	7	3.6	1	1.2	1	1.7	1	2.9	0	0.0	1	0.3
Not reported	741	92.3	173	90.1	77	95.1	57	98.3	33	94.3	127	100.0	375	99.7
Kansas														
Infants in category	948		188		84		52		30		26		24	
Infants receiving breastmilk	278	29.3	68	36.2	20	23.8	5	9.6	5	16.7	8	30.8	3	12.5
Not reported	23	2.4	6	3.2	7	8.3	4	7.7	2	6.7	3	11.5	2	8.3
Nebraska														
Infants in category	497		82		22		22		19		16		12	
Infants receiving breastmilk	152	30.6	25	30.5	4	18.2	4	18.2	7	36.8	5	31.3	0	0.0
Not reported	26	5.2	4	4.9	4	18.2	3	13.6	1	5.3	2	12.5	1	8.3
South Dakota														
Infants in category	370		96		26		13		17		57		146	
Infants receiving breastmilk	128	34.6	37	38.5	7	26.9	2	15.4	4	23.5	12	21.1	32	21.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Utah														
Infants in category	859		230		97		37		41		116		345	
Infants receiving breastmilk	453	52.7	139	60.4	55	56.7	20	54.1	15	36.6	33	28.4	104	30.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wyoming														
Infants in category	118		27		9		9		12		20		89	
Infants receiving breastmilk	21	17.8	6	22.2	3	33.3	2	22.2	1	8.3	5	25.0	17	19.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Exhibit G.1 (continued)

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification													
	1 - 4 Weeks		5 - 8 Weeks		9 - 12 Weeks		13 - 16 Weeks		17 - 20 Weeks		21 - 24 Weeks		25 - 28 Weeks	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Western														
Alaska														
Infants in category	192		62		33		13		9		10		37	
Infants receiving breastmilk	117	60.9	39	62.9	16	48.5	7	53.8	4	44.4	1	10.0	11	29.7
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Arizona														
Infants in category	2,005		339		144		89		69		51		80	
Infants receiving breastmilk	607	30.3	91	26.8	31	21.5	14	15.7	12	17.4	9	17.6	12	15.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nevada														
Infants in category	459		183		78		36		30		109		339	
Infants receiving breastmilk	145	31.6	57	31.1	20	25.6	10	27.8	3	10.0	28	25.7	65	19.2
Not reported	54	11.8	14	7.7	12	15.4	1	2.8	7	23.3	9	8.3	21	6.2
Oregon														
Infants in category	798		385		233		118		66		141		399	
Infants receiving breastmilk	230	28.8	119	30.9	60	25.8	22	18.6	11	16.7	20	14.2	57	14.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Washington														
Infants in category	2,148		395		133		66		63		42		30	
Infants receiving breastmilk	797	37.1	208	52.7	53	39.8	18	27.3	17	27.0	9	21.4	6	20.0
Not reported	707	32.9	53	13.4	12	9.0	7	10.6	8	12.7	4	9.5	2	6.7
ITC-Arizona														
Infants in category	142		31		24		10		5		14		59	
Infants receiving breastmilk	54	38.0	9	29.0	12	50.0	2	20.0	4	80.0	6	42.9	21	35.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Navajo Nation														
Infants in category	243		60		26		8		7		2		8	
Infants receiving breastmilk	162	66.7	35	58.3	16	61.5	5	62.5	5	71.4	0	0.0	1	12.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification														Total WIC Infants	
	29 - 32 Weeks		33 - 36 Weeks		37 - 40 Weeks		41 - 44 Weeks		45 - 48 Weeks		49 - 52 Weeks		Age Not Reported			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Northeast																
Maine																
Infants in category	6		13		8		4		11		16		3		531	
Infants receiving breastmilk	4	66.7	3	23.1	1	12.5	0	0.0	1	9.1	4	25.0	0	0.0	70	13.2
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Massachusetts																
Infants in category	25		19		14		20		15		3		0		2,340	
Infants receiving breastmilk	2	8.0	3	15.8	2	14.3	3	15.0	3	20.0	0	0.0	0	0.0	830	35.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1
Rhode Island																
Infants in category	94		44		26		12		0		0		0		923	
Infants receiving breastmilk	17	18.1	4	9.1	1	3.8	0	0.0	0	0.0	0	0.0	0	0.0	99	10.7
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vermont																
Infants in category	35		11		3		1		4		0		2		1,020	
Infants receiving breastmilk	7	20.0	2	18.2	1	33.3	1	100.0	1	25.0	0	0.0	1	50.0	438	42.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Seneca Nation																
Infants in category	0		0		0		0		0		0		0		6	
Infants receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	33.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Exhibit G.1 (continued)

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification														Total WIC Infants	
	29 - 32 Weeks		33 - 36 Weeks		37 - 40 Weeks		41 - 44 Weeks		45 - 48 Weeks		49 - 52 Weeks		Age Not Reported			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mid-Atlantic</i>																
District of Columbia																
Infants in category	16		13		14		4		1		0		0		689	
Infants receiving breastmilk	0	0.0	2	15.4	1	7.1	0	0.0	1	100.0	0	0.0	0	0.0	123	17.9
Not reported	1	6.3	0	0.0	1	7.1	0	0.0	0	0.0	0	0.0	0	0.0	20	2.9
Maryland																
Infants in category	48		36		31		27		61		195		0		2,479	
Infants receiving breastmilk	5	10.4	4	11.1	3	9.7	2	7.4	5	8.2	10	5.1	0	0.0	451	18.2
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
New Jersey																
Infants in category	53		26		20		11		20		21		0		473	
Infants receiving breastmilk	13	24.5	4	15.4	5	25.0	0	0.0	4	20.0	1	4.8	0	0.0	95	20.1
Not reported	2	3.8	0	0.0	2	10.0	3	27.3	1	5.0	2	9.5	0	0.0	20	4.2
Pennsylvania																
Infants in category	59		54		48		50		186		38		0		6,008	
Infants receiving breastmilk	11	18.6	5	9.3	8	16.7	2	4.0	13	7.0	4	10.5	0	0.0	1,006	16.7
Not reported	19	32.2	15	27.8	17	35.4	17	34.0	43	23.1	10	26.3	0	0.0	1,417	23.6
West Virginia																
Infants in category	14		11		5		8		9		37		2		958	
Infants receiving breastmilk	2	14.3	3	27.3	2	40.0	1	12.5	0	0.0	0	0.0	0	0.0	128	13.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Southeast</i>																
North Carolina																
Infants in category	43		34		25		17		22		8		6		4,079	
Infants receiving breastmilk	6	14.0	3	8.8	4	16.0	2	11.8	3	13.6	0	0.0	0	0.0	891	21.8
Not reported	1	2.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	16.7	11	0.3
Eastern Band Cherokee																
Infants in category	0		0		1		0		0		0		0		14	
Infants receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	50.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification														Total WIC Infants	
	29 - 32 Weeks		33 - 36 Weeks		37 - 40 Weeks		41 - 44 Weeks		45 - 48 Weeks		49 - 52 Weeks		Age Not Reported			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Midwest																
Illinois																
Infants in category	63		70		52		38		39		185		1		6,795	
Infants receiving breastmilk	3	4.8	3	4.3	5	9.6	4	10.5	2	5.1	18	9.7	0	0.0	1,265	18.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Indiana																
Infants in category	24		13		14		15		17		9		0		2,865	
Infants receiving breastmilk	4	16.7	3	23.1	0	0.0	3	20.0	2	11.8	0	0.0	0	0.0	618	21.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota																
Infants in category	33		28		20		16		9		0		0		2,010	
Infants receiving breastmilk	16	48.5	18	64.3	13	65.0	6	37.5	5	55.6	0	0.0	0	0.0	971	48.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ohio																
Infants in category	1,183		474		284		189		245		334		0		11,880	
Infants receiving breastmilk	149	12.6	73	15.4	43	15.1	22	11.6	15	6.1	14	4.2	0	0.0	1,714	14.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.1 (continued)

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification														Total WIC Infants	
	29 - 32 Weeks		33 - 36 Weeks		37 - 40 Weeks		41 - 44 Weeks		45 - 48 Weeks		49 - 52 Weeks		Age Not Reported			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Southwest																
Arkansas																
Infants in category	14		7		3		1		2		0		0		1,782	
Infants receiving breastmilk	1	7.1	0	0.0	0	0.0	0	0.0	1	50.0	0	0.0	0	0.0	169	9.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cherokee Nation																
Infants in category	2		2		1		0		0		35		0		204	
Infants receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	8.6	0	0.0	51	25.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chickasaw Nation																
Infants in category	1		1		0		0		0		0		0		51	
Infants receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	21.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Choctaw Nation																
Infants in category	0		0		0		0		1		0		0		50	
Infants receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	16.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pueblo of Zuñi																
Infants in category	0		0		0		0		0		1		3		11	
Infants receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WCD																
Infants in category	0		2		0		1		0		0		0		43	
Infants receiving breastmilk	0	0.0	1	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	14	32.6
Not reported	0	0.0	1	50.0	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0	29	67.4

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification														Total WIC Infants	
	29 - 32 Weeks		33 - 36 Weeks		37 - 40 Weeks		41 - 44 Weeks		45 - 48 Weeks		49 - 52 Weeks		Age Not Reported			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mountain Plains																
Iowa																
Infants in category	298		134		67		36		14		4		0		2,225	
Infants receiving breastmilk	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	30	1.3
Not reported	297	99.7	134	100.0	67	100.0	36	100.0	13	92.9	4	100.0	0	0.0	2,134	95.9
Kansas																
Infants in category	29		17		13		10		36		8		0		1,465	
Infants receiving breastmilk	4	13.8	1	5.9	0	0.0	4	40.0	3	8.3	1	12.5	0	0.0	400	27.3
Not reported	4	13.8	2	11.8	3	23.1	0	0.0	2	5.6	2	25.0	0	0.0	60	4.1
Nebraska																
Infants in category	10		11		6		3		3		0		0		703	
Infants receiving breastmilk	1	10.0	6	54.5	0	0.0	1	33.3	0	0.0	0	0.0	0	0.0	205	29.2
Not reported	1	10.0	2	18.2	1	16.7	0	0.0	1	33.3	0	0.0	0	0.0	46	6.5
South Dakota																
Infants in category	95		29		18		11		17		21		2		918	
Infants receiving breastmilk	16	16.8	5	17.2	5	27.8	2	18.2	1	5.9	3	14.3	0	0.0	254	27.7
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Utah																
Infants in category	356		154		68		57		81		127		0		2,568	
Infants receiving breastmilk	101	28.4	34	22.1	23	33.8	11	19.3	17	21.0	21	16.5	0	0.0	1,026	40.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wyoming																
Infants in category	73		23		13		12		16		14		7		442	
Infants receiving breastmilk	14	19.2	4	17.4	2	15.4	3	25.0	1	6.3	4	28.6	0	0.0	83	18.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Exhibit G.1 (continued)

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification														Total WIC Infants	
	29 - 32 Weeks		33 - 36 Weeks		37 - 40 Weeks		41 - 44 Weeks		45 - 48 Weeks		49 - 52 Weeks		Age Not Reported			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Western																
Alaska																
Infants in category	50		27		13		11		14		2		0		473	
Infants receiving breastmilk	7	14.0	4	14.8	2	15.4	1	9.1	1	7.1	1	50.0	0	0.0	211	44.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Arizona																
Infants in category	102		67		43		22		27		10		0		3,048	
Infants receiving breastmilk	24	23.5	7	10.4	7	16.3	4	18.2	2	7.4	1	10.0	0	0.0	821	26.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nevada																
Infants in category	104		58		27		13		10		9		0		1,455	
Infants receiving breastmilk	13	12.5	10	17.2	4	14.8	1	7.7	2	20.0	0	0.0	0	0.0	358	24.6
Not reported	12	11.5	6	10.3	0	0.0	2	15.4	1	10.0	2	22.2	0	0.0	141	9.7
Oregon																
Infants in category	276		165		84		68		13		3		0		2,749	
Infants receiving breastmilk	61	22.1	23	13.9	17	20.2	6	8.8	4	30.8	1	33.3	0	0.0	631	23.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Washington																
Infants in category	37		35		26		22		17		7		0		3,021	
Infants receiving breastmilk	6	16.2	6	17.1	6	23.1	2	9.1	5	29.4	1	14.3	0	0.0	1,134	37.5
Not reported	2	5.4	7	20.0	4	15.4	1	4.5	2	11.8	3	42.9	0	0.0	812	26.9
ITC-Arizona																
Infants in category	30		12		5		5		0		7		1		345	
Infants receiving breastmilk	10	33.3	4	33.3	1	20.0	2	40.0	0	0.0	2	28.6	0	0.0	127	36.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Navajo Nation																
Infants in category	10		8		1		5		2		3		0		383	
Infants receiving breastmilk	4	40.0	3	37.5	1	100.0	2	40.0	1	50.0	1	33.3	0	0.0	236	61.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Notes

An infant is defined as a participant who is under one year of age and who would be classified as a child at the age of 366 days.

Not reported indicates number and percent of WIC infants for whom no data were reported on current breastfeeding status.

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Exhibit G.2

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification							
	1 Year		2 - 4 Years		Age Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Northeast								
Maine								
Children in category	1,093		2,076		0		3,169	
Children receiving breastmilk	115	10.5	55	2.6	0	0.0	170	5.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Massachusetts								
Children in category	2,427		5,504		0		7,931	
Children receiving breastmilk	53	2.2	0	0.0	0	0.0	53	0.7
Not reported	24	1.0	2,986	54.3	0	0.0	3,010	38.0
Rhode Island								
Children in category	751		1,324		0		2,075	
Children receiving breast milk	51	6.8	19	1.4	0	0.0	70	3.4
Not reported	29	3.9	907	68.5	0	0.0	936	45.1
Vermont								
Children in category	1,096		2,042		0		3,138	
Children receiving breast milk	51	4.7	239	11.7	0	0.0	290	9.2
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Seneca Nation								
Children in category	3		12		0		15	
Children receiving breast milk	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Mid-Atlantic								
District of Columbia								
Children in category	673		894		0		1,567	
Children receiving breastmilk	63	9.4	60	6.7	0	0.0	123	7.8
Not reported	64	9.5	208	23.3	0	0.0	272	17.4
Maryland								
Children in category	1,867		3,428		0		5,295	
Children receiving breastmilk	57	3.1	11	0.3	0	0.0	68	1.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.2 (continued)

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	1 Year		2 - 4 Years		Age Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mid-Atlantic continued</i>								
New Jersey								
Children in category	255		520		0		775	
Children receiving breastmilk	43	16.9	53	10.2	0	0.0	96	12.4
Not reported	26	10.2	89	17.1	0	0.0	115	14.8
Pennsylvania								
Children in category	9,036		17,636		0		26,672	
Children receiving breastmilk	606	6.7	368	2.1	0	0.0	974	3.7
Not reported	2,840	31.4	10,125	57.4	0	0.0	12,965	48.6
West Virginia								
Children in category	1,447		3,020		0		4,467	
Children receiving breastmilk	29	2.0	8	0.3	0	0.0	37	0.8
Not reported	78	5.4	1,259	41.7	0	0.0	1,337	29.9
<i>Southeast</i>								
North Carolina								
Children in category	3,921		6,535		0		10,456	
Children receiving breastmilk	222	5.7	52	0.8	0	0.0	274	2.6
Not reported	275	7.0	4,515	69.1	0	0.0	4,790	45.8
Eastern Band-Cherokee								
Children in category	3		15		0		18	
Children receiving breastmilk	0	0.0	1	6.7	0	0.0	1	5.6
Not reported	0	0.0	14	93.3	0	0.0	14	77.8
<i>Midwest</i>								
Illinois								
Children in category	8,286		13,337		0		21,623	
Children receiving breastmilk	563	6.8	692	5.2	0	0.0	1,255	5.8
Not reported	27	0.3	235	1.8	0	0.0	262	1.2
Indiana								
Children in category	3,873		7,121		1		10,995	
Children receiving breastmilk	83	2.1	18	0.3	0	0.0	101	0.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Ohio								
Children in category	8,571		15,227		0		23,798	
Children receiving breastmilk	309	3.6	46	0.3	0	0.0	355	1.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.2 (continued)

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification							
	1 Year		2 - 4 Years		Age Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Southwest								
Arkansas								
Children in category	2,245		4,990		0		7,235	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Cherokee Nation								
Children in category	188		444		0		632	
Children receiving breastmilk	5	2.7	1	0.2	0	0.0	6	0.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Chickasaw Nation								
Children in category	123		190		0		313	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Choctaw Nation								
Children in category	76		154		2		232	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Pueblo of Zuñi								
Children in category	34		83		0		117	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
WCD								
Children in category	56		112		0		168	
Children receiving breastmilk	3	5.4	0	0.0	0	0.0	3	1.8
Not reported	53	94.6	112	100.0	0	0.0	165	98.2
Mountain Plains								
Iowa								
Children in category	2,061		4,164		0		6,225	
Children receiving breastmilk	7	0.3	0	0.0	0	0.0	7	0.1
Not reported	1,963	95.2	4,139	99.4	0	0.0	6,102	98.0
Kansas								
Children in category	1,978		3,350		0		5,328	
Children receiving breastmilk	142	7.2	97	2.9	0	0.0	239	4.5
Not reported	118	6.0	858	25.6	0	0.0	976	18.3

Exhibit G.2 (continued)

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	1 Year		Age at Certification 2 - 4 Years		Age Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mountain Plains continued</i>								
Nebraska								
Children in category	978		1,773		0		2,751	
Children receiving breastmilk	115	11.8	134	7.6	0	0.0	249	9.1
Not reported	58	5.9	331	18.7	0	0.0	389	14.1
South Dakota								
Children in category	639		1,323		1		1,963	
Children receiving breastmilk	37	5.8	4	0.3	0	0.0	41	2.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Utah								
Children in category	1,633		3,645		0		5,278	
Children receiving breastmilk	100	6.1	28	0.8	0	0.0	128	2.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Wyoming								
Children in category	372		703		0		1,075	
Children receiving breastmilk	26	7.0	0	0.0	0	0.0	26	2.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
<i>Western</i>								
Alaska								
Children in category	515		971		0		1,486	
Children receiving breastmilk	78	15.1	0	0.0	0	0.0	78	5.2
Not reported	29	5.6	933	96.1	0	0.0	962	64.7
Arizona								
Children in category	3,094		4,144		0		7,238	
Children receiving breastmilk	635	20.5	323	7.8	0	0.0	958	13.2
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Nevada								
Children in category	891		1,539		0		2,430	
Children receiving breastmilk	48	5.4	1	0.1	0	0.0	49	2.0
Not reported	183	20.5	1,535	99.7	0	0.0	1,718	70.7

Exhibit G.2 (continued)

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Age at Certification by State

Region and State	Age at Certification							
	1 Year		2 - 4 Years		Age Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Western continued								
Oregon								
Children in category	2,569		3,729		0		6,298	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Washington								
Children in category	3,803		4,345		0		8,148	
Children receiving breastmilk	315	8.3	62	1.4	0	0.0	377	4.6
Not reported	149	3.9	401	9.2	0	0.0	550	6.8
ITC-Arizona								
Children in category	303		579		0		882	
Children receiving breastmilk	52	17.2	28	4.8	0	0.0	80	9.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0
Navajo Nation								
Children in category	605		1,341		1		1,947	
Children receiving breastmilk	173	28.6	85	6.3	0	0.0	258	13.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0

Note

Not reported indicates number and percent of WIC children for whom no data were reported on current breastfeeding status

Exhibit G.3

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Infants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Northeast														
Maine														
Infants in category	2		6		7		6		505		5		531	
Infants receiving breastmilk	1	50.0	0	0.0	2	28.6	0	0.0	67	13.3	0	0.0	70	13.2
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Massachusetts														
Infants in category	6		130		430		548		1,226		0		2,340	
Infants receiving breastmilk	2	33.3	29	22.3	188	43.7	254	46.4	357	29.1	0	0.0	830	35.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	0	0.0	2	0.1
Rhode Island														
Infants in category	2		48		131		221		521		0		923	
Infants receiving breastmilk	1	50.0	5	10.4	11	8.4	30	13.6	52	10.0	0	0.0	99	10.7
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vermont														
Infants in category	0		14		8		2		996		0		1,020	
Infants receiving breastmilk	0	0.0	5	35.7	1	12.5	1	50.0	431	43.3	0	0.0	438	42.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Seneca Nation														
Infants in category	6		0		0		0		0		0		6	
Infants receiving breastmilk	2	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	33.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mid-Atlantic														
District of Columbia														
Infants in category	1		5		579		98		6		0		689	
Infants receiving breastmilk	0	0.0	1	20.0	74	12.8	47	48.0	1	16.7	0	0.0	123	17.9
Not reported	0	0.0	0	0.0	16	2.8	3	3.1	1	16.7	0	0.0	20	2.9
Maryland														
Infants in category	2		49		1,353		223		852		0		2,479	
Infants receiving breastmilk	0	0.0	11	22.4	186	13.7	72	32.3	182	21.4	0	0.0	451	18.2
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
New Jersey														
Infants in category	3		5		170		146		144		5		473	
Infants receiving breastmilk	2	66.7	4	80.0	23	13.5	43	29.5	21	14.6	2	40.0	95	20.1
Not reported	0	0.0	0	0.0	10	5.9	5	3.4	4	2.8	1	20.0	20	4.2

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Infants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mid-Atlantic continued</i>														
Pennsylvania														
Infants in category	7		103		1,849		466		3,583		0		6,008	
Infants receiving breastmilk	1	14.3	20	19.4	211	11.4	58	12.4	716	20.0	0	0.0	1,006	16.7
Not reported	3	42.9	18	17.5	477	25.8	124	26.6	795	22.2	0	0.0	1,417	23.6
West Virginia														
Infants in category	0		1		51		0		904		2		958	
Infants receiving breastmilk	0	0.0	0	0.0	7	13.7	0	0.0	120	13.3	1	50.0	128	13.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Southeast</i>														
North Carolina														
Infants in category	65		75		1,735		123		2,081		0		4,079	
Infants receiving breastmilk	6	9.2	23	30.7	240	13.8	44	35.8	578	27.8	0	0.0	891	21.8
Not reported	0	0.0	0	0.0	7	0.4	0	0.0	4	0.2	0	0.0	11	0.3
Eastern Band-Cherokee														
Infants in category	13		0		1		0		0		0		14	
Infants receiving breastmilk	6	46.2	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0	7	50.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Midwest</i>														
Illinois														
Infants in category	5		92		2,767		1,808		2,011		112		6,795	
Infants receiving breastmilk	1	20.0	22	23.9	252	9.1	515	28.5	444	22.1	31	27.7	1,265	18.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Indiana														
Infants in category	1		10		590		123		2,126		15		2,865	
Infants receiving breastmilk	0	0.0	5	50.0	87	14.7	34	27.6	487	22.9	5	33.3	618	21.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ohio														
Infants in category	9		75		3,589		279		7,822		106		11,880	
Infants receiving breastmilk	2	22.2	13	17.3	414	11.5	36	12.9	1,215	15.5	34	32.1	1,714	14.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.3 (continued)

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC infants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Southwest														
Arkansas														
Infants in category	5		13		558		45		1,159		2		1,782	
Infants receiving breastmilk	1	20.0	1	7.7	17	3.0	11	24.4	137	11.8	2	100.0	169	9.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cherokee Nation														
Infants in category	196		0		1		0		7		0		204	
Infants receiving breastmilk	50	25.5	0	0.0	0	0.0	0	0.0	1	14.3	0	0.0	51	25.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chickasaw Nation														
Infants in category	29		0		3		1		18		0		51	
Infants receiving breastmilk	9	31.0	0	0.0	0	0.0	0	0.0	2	11.1	0	0.0	11	21.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Choctaw Nation														
Infants in category	41		0		1		0		8		0		50	
Infants receiving breastmilk	4	9.8	0	0.0	1	100.0	0	0.0	3	37.5	0	0.0	8	16.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pueblo of Zuni														
Infants in category	11		0		0		0		0		0		11	
Infants receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WCD														
Infants in category	43		0		0		0		0		0		43	
Infants receiving breastmilk	14	32.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	14	32.6
Not reported	29	67.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	29	67.4

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Infants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mountain Plains														
Iowa														
Infants in category	13		44		173		107		1,888		0		2,225	
Infants receiving breastmilk	0	0.0	1	2.3	0	0.0	0	0.0	29	1.5	0	0.0	30	1.3
Not reported	13	100.0	43	97.7	169	97.7	107	100.0	1,802	95.4	0	0.0	2,134	95.9
Kansas														
Infants in category	29		17		240		194		985		0		1,465	
Infants receiving breastmilk	9	31.0	7	41.2	40	16.7	58	29.9	286	29.0	0	0.0	400	27.3
Not reported	0	0.0	1	5.9	16	6.7	2	1.0	41	4.2	0	0.0	60	4.1
Nebraska														
Infants in category	7		8		82		81		523		2		703	
Infants receiving breastmilk	1	14.3	0	0.0	19	23.2	33	40.7	152	29.1	0	0.0	205	29.2
Not reported	1	14.3	1	12.5	4	4.9	5	6.2	35	6.7	0	0.0	46	6.5
South Dakota														
Infants in category	160		9		12		7		730		0		918	
Infants receiving breastmilk	43	26.9	3	33.3	3	25.0	3	42.9	202	27.7	0	0.0	254	27.7
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Utah														
Infants in category	61		82		29		302		2,083		11		2,568	
Infants receiving breastmilk	20	32.8	25	30.5	8	27.6	111	36.8	856	41.1	6	54.5	1,026	40.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wyoming														
Infants in category	8		1		10		56		367		0		442	
Infants receiving breastmilk	3	37.5	0	0.0	0	0.0	11	19.6	69	18.8	0	0.0	83	18.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.3 (continued)

Number and Percent of WIC Infants Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Infants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Western														
Alaska														
Infants in category	159		7		47		27		224		9		473	
Infants receiving breastmilk	79	49.7	3	42.9	10	21.3	13	48.1	102	45.5	4	44.4	211	44.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Arizona														
Infants in category	70		30		201		1,585		1,162		0		3,048	
Infants receiving breastmilk	19	27.1	9	30.0	39	19.4	450	28.4	304	26.2	0	0.0	821	26.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nevada														
Infants in category	6		41		239		524		645		0		1,455	
Infants receiving breastmilk	4	66.7	15	36.6	36	15.1	168	32.1	135	20.9	0	0.0	358	24.6
Not reported	0	0.0	1	2.4	30	12.6	52	9.9	58	9.0	0	0.0	141	9.7
Oregon														
Infants in category	58		96		88		479		2,028		0		2,749	
Infants receiving breastmilk	11	19.0	7	7.3	11	12.5	118	24.6	484	23.9	0	0.0	631	23.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Washington														
Infants in category	71		121		210		502		1,711		406		3,021	
Infants receiving breastmilk	32	45.1	26	21.5	54	25.7	246	49.0	647	37.8	129	31.8	1,134	37.5
Not reported	11	15.5	41	33.9	81	38.6	91	18.1	410	24.0	178	43.8	812	26.9
ITC-Arizona														
Infants in category	313		0		1		17		14		0		345	
Infants receiving breastmilk	119	38.0	0	0.0	0	0.0	5	29.4	3	21.4	0	0.0	127	36.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Navajo Nation														
Infants in category	381		0		0		1		1		0		383	
Infants receiving breastmilk	235	61.7	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	236	61.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Notes

An infant is defined as a participant who is under one year of age and who would be classified as a child at the age of 366 days

Not reported indicates number and percent of WIC infants for whom no data were reported on current breastfeeding status

Exhibit G.4

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Northeast														
Maine														
Children in category	17		25		42		29		3,050		6		3,169	
Children receiving breastmilk	0	0.0	0	0.0	2	4.8	0	0.0	168	5.5	0	0.0	170	5.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Massachusetts														
Children in category	14		464		1,545		2,255		3,653		0		7,931	
Children receiving breastmilk	0	0.0	3	0.6	16	1.0	8	0.4	26	0.7	0	0.0	53	0.7
Not reported	5	35.7	133	28.7	545	35.3	853	37.8	1,474	40.4	0	0.0	3,010	38.0
Rhode Island														
Children in category	13		105		261		579		1,117		0		2,075	
Children receiving breastmilk	0	0.0	0	0.0	8	3.1	13	2.2	49	4.4	0	0.0	70	3.4
Not reported	8	61.5	44	41.9	122	46.7	273	47.2	489	43.8	0	0.0	936	45.1
Vermont														
Children in category	6		23		21		11		3,077		0		3,138	
Children receiving breastmilk	0	0.0	7	30.4	0	0.0	1	9.1	282	9.2	0	0.0	290	9.2
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Seneca Nation														
Children in category	15		0		0		0		0		0		15	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mid-Atlantic														
District of Columbia														
Children in category	5		28		1,295		234		5		0		1,567	
Children receiving breastmilk	0	0.0	5	17.9	56	4.3	61	26.1	1	20.0	0	0.0	123	7.8
Not reported	1	20.0	5	17.9	255	19.7	8	3.4	3	60.0	0	0.0	272	17.4
Maryland														
Children in category	3		88		2,592		359		2,253		0		5,295	
Children receiving breastmilk	0	0.0	0	0.0	23	0.9	7	1.9	38	1.7	0	0.0	68	1.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
New Jersey														
Children in category	4		20		269		264		212		6		775	
Children receiving breastmilk	0	0.0	2	10.0	20	7.4	48	18.2	26	12.3	0	0.0	96	12.4
Not reported	0	0.0	1	5.0	31	11.5	42	15.9	37	17.5	4	66.7	115	14.8

Exhibit G.4 (continued)

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mid-Atlantic continued</i>														
Pennsylvania														
Children in category	30		408		6,654		2,245		17,335		0		26,672	
Children receiving breastmilk	0	0.0	22	5.4	241	3.6	80	3.6	631	3.6	0	0.0	974	3.7
Not reported	16	53.3	190	46.6	3,266	49.1	1,259	56.1	8,234	47.5	0	0.0	12,965	48.6
West Virginia														
Children in category	1		3		265		11		4,185		2		4,467	
Children receiving breastmilk	0	0.0	0	0.0	1	0.4	0	0.0	36	0.9	0	0.0	37	0.8
Not reported	0	0.0	1	33.3	87	32.8	5	45.5	1,244	29.7	0	0.0	1,337	29.9
<i>Southeast</i>														
North Carolina														
Children in category	245		153		5,127		420		4,511		0		10,456	
Children receiving breastmilk	11	4.5	6	3.9	95	1.9	21	5.0	141	3.1	0	0.0	274	2.6
Not reported	105	42.9	73	47.7	2,265	44.2	179	42.6	2,168	48.1	0	0.0	4,790	45.8
Eastern Band-Cherokee														
Children in category	18		0		0		0		0		0		18	
Children receiving breastmilk	1	5.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	5.6
Not reported	14	77.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	14	77.8
<i>Midwest</i>														
Illinois														
Children in category	12		284		8,604		5,464		6,961		298		21,623	
Children receiving breastmilk	2	16.7	24	8.5	302	3.5	452	8.3	457	6.6	18	6.0	1,255	5.8
Not reported	0	0.0	4	1.4	83	1.0	49	0.9	122	1.8	4	1.3	262	1.2
Indiana														
Children in category	7		55		2,177		472		8,238		46		10,995	
Children receiving breastmilk	0	0.0	0	0.0	16	0.7	5	1.1	79	1.0	1	2.2	101	0.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ohio														
Children in category	14		196		7,497		700		15,254		137		23,798	
Children receiving breastmilk	1	7.1	7	3.6	75	1.0	11	1.6	261	1.7	0	0.0	355	1.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.4 (continued)

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Southwest														
Arkansas														
Children in category	15		25		2,696		169		4,326		4		7,235	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cherokee Nation														
Children in category	593		0		1		0		38		0		632	
Children receiving breastmilk	6	1.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	0.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chickasaw Nation														
Children in category	200		0		3		7		103		0		313	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Choctaw Nation														
Children in category	169		0		11		0		49		3		232	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pueblo of Zuni														
Children in category	117		0		0		0		0		0		117	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WCD														
Children in category	168		0		0		0		0		0		168	
Children receiving breastmilk	3	1.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	1.8
Not reported	165	98.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	165	98.2
Mountain Plains														
Iowa														
Children in category	34		109		457		310		5,315		0		6,225	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	1	0.3	6	0.1	0	0.0	7	0.1
Not reported	34	100.0	108	99.1	456	99.8	305	98.4	5,199	97.8	0	0.0	6,102	98.0
Kansas														
Children in category	95		66		807		814		3,546		0		5,328	
Children receiving breastmilk	9	9.5	2	3.0	31	3.8	38	4.7	159	4.5	0	0.0	239	4.5
Not reported	21	22.1	13	19.7	135	16.7	176	21.6	631	17.8	0	0.0	976	18.3

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Exhibit G.4 (continued)

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mountain Plains continued</i>														
Nebraska														
Children in category	48		35		294		277		2,090		7		2,751	
Children receiving breastmilk	5	10.4	3	8.6	34	11.6	23	8.3	183	8.8	1	14.3	249	9.1
Not reported	9	18.8	6	17.1	37	12.6	57	20.6	277	13.3	3	42.9	389	14.1
South Dakota														
Children in category	470		11		16		22		1,444		0		1,963	
Children receiving breastmilk	9	1.9	0	0.0	0	0.0	0	0.0	32	2.2	0	0.0	41	2.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Utah														
Children in category	186		209		76		698		4,091		18		5,278	
Children receiving breastmilk	10	5.4	2	1.0	2	2.6	7	1.0	106	2.6	1	5.6	128	2.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wyoming														
Children in category	29		11		19		161		855		0		1,075	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	6	3.7	20	2.3	0	0.0	26	2.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Western</i>														
Alaska														
Children in category	554		50		119		66		681		16		1,486	
Children receiving breastmilk	35	6.3	3	6.0	3	2.5	3	4.5	33	4.8	1	6.3	78	5.2
Not reported	354	63.9	35	70.0	81	68.1	44	66.7	437	64.2	11	68.8	962	64.7
Arizona														
Children in category	237		90		387		4,187		2,337		0		7,238	
Children receiving breastmilk	41	17.3	16	17.8	33	8.5	536	12.8	332	14.2	0	0.0	958	13.2
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nevada														
Children in category	10		45		363		997		1,015		0		2,430	
Children receiving breastmilk	0	0.0	1	2.2	7	1.9	18	1.8	23	2.3	0	0.0	49	2.0
Not reported	5	50.0	34	75.6	263	72.5	726	72.8	690	68.0	0	0.0	1,718	70.7
Oregon														
Children in category	120		181		243		1,436		4,318		0		6,298	
Children receiving breastmilk	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.4 (continued)

Number and Percent of WIC Children Certified in April 1994 Currently Receiving Breastmilk by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Western continued</i>														
Washington														
Children in category	457		469		627		1,813		4,417		365		8,148	
Children receiving breastmilk	15	3.3	17	3.6	20	3.2	62	3.4	245	5.5	18	4.9	377	4.6
Not reported	29	6.3	43	9.2	52	8.3	119	6.6	270	6.1	37	10.1	550	6.8
ITC-Arizona														
Children in category	812		1		0		47		22		0		882	
Children receiving breastmilk	78	9.6	0	0.0	0	0.0	1	2.1	1	4.5	0	0.0	80	9.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Navajo Nation														
Children in category	1,942		1		0		1		3		0		1,947	
Children receiving breastmilk	257	13.2	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	258	13.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Note

Not reported indicates number and percent of WIC children for whom no data were reported on current breastfeeding status.

Exhibit G.5

Number and Percent of WIC Infants Ever Breastfed by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Infants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Northeast														
Maine														
Infants in category	19		42		67		20		5,495		26		5,669	
Infants ever breastfed	8	42.1	13	31.0	28	41.8	9	45.0	2,226	40.5	8	30.8	2,292	40.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Massachusetts														
Infants in category	48		1,670		5,749		6,930		15,031		0		29,428	
Infants ever breastfed	17	35.4	386	23.1	2,723	47.4	3,600	51.9	5,520	36.7	0	0.0	12,246	41.6
Not reported	0	0.0	5	0.3	9	0.2	76	1.1	84	0.6	0	0.0	174	0.6
New York														
Infants in category	516		6,531		46,869		46,656		43,474		5,847		149,893	
Infants ever breastfed	80	15.5	932	14.3	6,432	13.7	8,074	17.3	7,848	18.1	780	13.3	24,146	16.1
Not reported	436	84.5	5,599	85.7	40,437	86.3	38,582	82.7	35,626	81.9	5,067	86.7	125,747	83.9
Rhode Island														
Infants in category	27		221		624		1,095		2,693		0		4,660	
Infants ever breastfed	7	25.9	35	15.8	97	15.5	333	30.4	576	21.4	0	0.0	1,048	22.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vermont														
Infants in category	1		26		30		3		2,886		0		2,946	
Infants ever breastfed	1	100.0	11	42.3	15	50.0	2	66.7	1,589	55.1	0	0.0	1,618	54.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Seneca Nation														
Infants in category	55		0		0		0		4		0		59	
Infants ever breastfed	27	49.1	0	0.0	0	0.0	0	0.0	2	50.0	0	0.0	29	49.2
Not reported	1	1.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.7

Exhibit G.5 (continued)

Number and Percent of WIC Infants Ever Breastfed by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Infants	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mid-Atlantic</i>														
District of Columbia														
Infants in category	7		71		5,480		753		41		0		6,352	
Infants ever breastfed	4	57.1	24	33.8	1,300	23.7	463	61.5	19	46.3	0	0.0	1,810	28.5
Not reported	0	0.0	11	15.5	305	5.6	14	1.9	3	7.3	0	0.0	333	5.2
Maryland														
Infants in category	33		503		16,935		2,002		10,205		0		29,678	
Infants ever breastfed	10	30.3	205	40.8	3,689	21.8	1,180	58.9	3,475	34.1	0	0.0	8,559	28.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
New Jersey														
Infants in category	197		703		13,719		11,713		8,711		239		35,282	
Infants ever breastfed	82	41.6	244	34.7	2,176	15.9	3,633	31.0	1,994	22.9	80	33.5	8,209	23.3
Not reported	6	3.0	17	2.4	818	6.0	598	5.1	418	4.8	14	5.9	1,871	5.3
Pennsylvania														
Infants in category	71		1,099		18,302		4,851		39,002		0		63,325	
Infants ever breastfed	26	36.6	221	20.1	2,398	13.1	1,109	22.9	9,949	25.5	0	0.0	13,703	21.6
Not reported	5	7.0	224	20.4	4,539	24.8	1,122	23.1	7,754	19.9	0	0.0	13,644	21.5
West Virginia														
Infants in category	4		18		741		35		13,580		17		14,395	
Infants ever breastfed	2	50.0	11	61.1	170	22.9	14	40.0	4,029	29.7	6	35.3	4,232	29.4
Not reported	0	0.0	0	0.0	2	0.3	0	0.0	22	0.2	0	0.0	24	0.2
<i>Southeast</i>														
North Carolina														
Infants in category	1,081		926		23,124		490		25,670		0		51,291	
Infants ever breastfed	206	19.1	437	47.2	4,311	18.6	214	43.7	9,817	38.2	0	0.0	14,985	29.2
Not reported	0	0.0	2	0.2	12	0.1	0	0.0	13	0.1	0	0.0	27	0.1
Eastern Band-Cherokee														
Infants in category	108		0		3		1		4		0		116	
Infants ever breastfed	78	72.2	0	0.0	2	66.7	1	100.0	2	50.0	0	0.0	83	71.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.6

Number and Percent of WIC Children Ever Breastfed by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Northeast														
Maine														
Children in category	63		162		188		94		16,589		35		17,131	
Children ever breastfed	33	52.4	46	28.4	80	42.6	39	41.5	6,526	39.3	12	34.3	6,736	39.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Massachusetts														
Children in category	136		4,438		14,457		20,528		32,343		1		71,903	
Children ever breastfed	29	21.3	286	6.4	2,251	15.6	4,274	20.8	4,760	14.7	0	0.0	11,600	16.1
Not reported	50	36.8	1,301	29.3	5,074	35.1	7,459	36.3	12,300	38.0	1	100.0	26,185	36.4
New York														
Children in category	678		9,310		73,898		76,762		82,062		5,644		248,354	
Children ever breastfed	168	24.8	1,069	11.5	11,069	15.0	11,725	15.3	19,726	24.0	857	15.2	44,614	18.0
Not reported	510	75.2	8,241	88.5	62,829	85.0	65,037	84.7	62,336	76.0	4,787	84.8	203,740	82.0
Rhode Island														
Children in category	64		559		1,545		3,043		6,223		0		11,434	
Children ever breastfed	6	9.4	17	3.0	142	9.2	366	12.0	741	11.9	0	0.0	1,272	11.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vermont														
Children in category	22		69		92		30		9,203		0		9,416	
Children ever breastfed	5	22.7	38	55.1	38	41.3	7	23.3	3,220	35.0	0	0.0	3,308	35.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Seneca Nation														
Children in category	179		0		0		1		10		1		191	
Children ever breastfed	10	5.6	0	0.0	0	0.0	0	0.0	1	10.0	0	0.0	11	5.8
Not reported	15	8.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	15	7.9
Mid-Atlantic														
District of Columbia														
Children in category	24		139		8,300		1,645		54		0		10,162	
Children ever breastfed	13	54.2	42	30.2	1,698	20.5	1,063	64.6	20	37.0	0	0.0	2,836	27.9
Not reported	2	8.3	25	18.0	1,050	12.7	69	4.2	7	13.0	0	0.0	1,153	11.3
Maryland														
Children in category	39		636		20,395		2,209		15,291		0		38,570	
Children ever breastfed	6	15.4	189	29.7	2,764	13.6	1,008	45.6	4,454	29.1	0	0.0	8,421	21.8
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Number and Percent of WIC Children Ever Breastfed by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mid-Atlantic continued</i>														
New Jersey														
Children in category	335		1,642		28,667		26,571		17,428		396		75,039	
Children ever breastfed	65	19.4	264	16.1	2,794	9.7	4,515	17.0	2,092	12.0	56	14.1	9,786	13.0
Not reported	91	27.2	182	11.1	4,079	14.2	3,522	13.3	2,696	15.5	85	21.5	10,655	14.2
Pennsylvania														
Children in category	186		2,820		42,130		14,087		108,803		0		168,026	
Children ever breastfed	23	12.4	263	9.3	3,068	7.3	1,571	11.2	14,347	13.2	0	0.0	19,272	11.5
Not reported	99	53.2	1,386	49.1	19,426	46.1	7,465	53.0	50,476	46.4	0	0.0	78,852	46.9
West Virginia														
Children in category	6		38		1,292		82		24,772		36		26,226	
Children ever breastfed	1	16.7	11	28.9	136	10.5	18	22.0	4,088	16.5	6	16.7	4,260	16.2
Not reported	2	33.3	13	34.2	439	34.0	36	43.9	7,704	31.1	8	22.2	8,202	31.3
<i>Southeast</i>														
North Carolina														
Children in category	1,951		1,293		40,783		1,461		36,741		0		82,229	
Children ever breastfed	115	5.9	263	20.3	3,178	7.8	323	22.1	6,303	17.2	0	0.0	10,182	12.4
Not reported	103	5.3	308	23.8	7,157	17.5	259	17.7	5,159	14.0	0	0.0	12,986	15.8
Eastern Band-Cherokee														
Children in category	289		0		0		4		6		0		299	
Children ever breastfed	43	14.9	0	0.0	0	0.0	1	25.0	0	0.0	0	0.0	44	14.7
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Midwest</i>														
Illinois														
Children in category	79		1,546		48,790		28,570		39,912		1,705		120,602	
Children ever breastfed	30	38.0	454	29.4	5,620	11.5	8,861	31.0	12,251	30.7	513	30.1	27,729	23.0
Not reported	0	0.0	15	1.0	382	0.8	213	0.7	521	1.3	17	1.0	1,148	1.0
Indiana														
Children in category	50		367		15,962		3,205		59,708		347		79,639	
Children ever breastfed	18	36.0	235	64.0	3,023	18.9	1,218	38.0	20,499	34.3	179	51.6	25,172	31.6
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ohio														
Children in category	95		1,084		42,886		3,567		84,965		689		133,286	
Children ever breastfed	3	3.2	32	3.0	444	1.0	56	1.6	1,511	1.8	19	2.8	2,065	1.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Exhibit G.6 (continued)

Number and Percent of WIC Children Ever Breastfed by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Southwest														
Arkansas														
Children in category	127		177		17,274		1,104		29,029		12		47,723	
Children ever breastfed	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cherokee Nation														
Children in category	3,340		0		6		1		154		1		3,502	
Children ever breastfed	1,183	35.4	0	0.0	1	16.7	1	100.0	65	42.2	1	100.0	1,251	35.7
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chickasaw Nation														
Children in category	750		0		39		24		352		0		1,165	
Children ever breastfed	220	29.3	0	0.0	8	20.5	2	8.3	123	34.9	0	0.0	353	30.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Choctaw Nation														
Children in category	1,156		0		68		0		350		12		1,586	
Children ever breastfed	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pueblo of Zuni														
Children in category	570		0		0		0		0		0		570	
Children ever breastfed	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WCD														
Children in category	1,080		0		0		2		0		0		1,082	
Children ever breastfed	10	0.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	0.9
Not reported	1,070	99.1	0	0.0	0	0.0	2	100.0	0	0.0	0	0.0	1,072	99.1
Mountain Plains														
Iowa														
Children in category	222		677		3,022		1,700		30,918		0		36,539	
Children ever breastfed	0	0.0	2	0.3	3	0.1	5	0.3	279	0.9	0	0.0	289	0.8
Not reported	222	100.0	675	99.7	3,012	99.7	1,690	99.4	30,301	98.0	0	0.0	35,900	98.3
Kansas														
Children in category	564		366		4,395		4,432		21,264		0		31,021	
Children ever breastfed	144	25.5	137	37.4	1,104	25.1	1,566	35.3	8,918	41.9	0	0.0	11,869	38.3
Not reported	122	21.6	74	20.2	674	15.3	857	19.3	3,416	16.1	0	0.0	5,143	16.6

Number and Percent of WIC Children Ever Breastfed by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Mountain Plains continued</i>														
Nebraska														
Children in category	361		336		2,679		2,180		14,453		49		20,058	
Children ever breastfed	115	31.9	108	32.1	540	20.2	709	32.5	5,755	39.8	19	38.8	7,246	36.1
Not reported	71	19.7	69	20.5	261	9.7	512	23.5	1,779	12.3	17	34.7	2,709	13.5
South Dakota														
Children in category	2,543		78		175		154		8,368		0		11,318	
Children ever breastfed	331	13.0	21	26.9	47	26.9	27	17.5	1,533	18.3	0	0.0	1,959	17.3
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Utah														
Children in category	1,155		1,153		458		4,401		25,361		75		32,603	
Children ever breastfed	622	53.9	627	54.4	215	46.9	2,388	54.3	18,250	72.0	52	69.3	22,154	68.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wyoming														
Children in category	124		39		129		792		4,808		0		5,892	
Children ever breastfed	21	16.9	5	12.8	14	10.9	115	14.5	968	20.1	0	0.0	1,123	19.1
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Western														
Alaska														
Children in category	3,425		289		746		380		3,884		87		8,811	
Children ever breastfed	782	22.8	70	24.2	135	18.1	96	25.3	1,116	28.7	23	26.4	2,222	25.2
Not reported	2,119	61.9	171	59.2	470	63.0	232	61.1	2,364	60.9	53	60.9	5,409	61.4
Arizona														
Children in category	1,490		372		2,071		21,427		12,241		0		37,601	
Children ever breastfed	718	48.2	139	37.4	517	25.0	9,202	42.9	6,102	49.8	0	0.0	16,678	44.4
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nevada														
Children in category	94		226		1,689		5,198		5,247		0		12,454	
Children ever breastfed	12	12.8	24	10.6	80	4.7	465	8.9	612	11.7	0	0.0	1,193	9.6
Not reported	56	59.6	172	76.1	1,281	75.8	3,925	75.5	3,739	71.3	0	0.0	9,173	73.7
Oregon														
Children in category	880		1,148		1,881		8,243		29,437		0		41,589	
Children ever breastfed	24	2.7	33	2.9	40	2.1	331	4.0	1,879	6.4	0	0.0	2,307	5.5
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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Exhibit G.6 (continued)

Number and Percent of WIC Children Ever Breastfed by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Non-Hispanic)		Ethnicity Not Reported		Total WIC Children	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<i>Western continued</i>														
Washington														
Children in category	2,574		2,558		3,433		9,919		24,317		2,012		44,813	
Children ever breastfed	1,116	43.4	864	33.8	1,342	39.1	4,774	48.1	13,584	55.9	985	49.0	22,665	50.6
Not reported	203	7.9	168	6.6	287	8.4	726	7.3	1,446	5.9	251	12.5	3,081	6.9
ITC-Arizona														
Children in category	4,743		12		8		283		132		0		5,178	
Children ever breastfed	440	9.3	0	0.0	0	0.0	10	3.5	9	6.8	0	0.0	459	8.9
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Navajo Nation														
Children in category	11,963		7		1		17		34		0		12,022	
Children ever breastfed	7,768	64.9	5	71.4	1	100.0	8	47.1	27	79.4	0	0.0	7,809	65.0
Not reported	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

Note

Not reported indicates number and percent of WIC children for whom no data were reported on current breastfeeding status and duration of breastfeeding.

Exhibit G.7

Breastfeeding Duration in Weeks Among WIC One-Year-Olds by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Ethnicity Not Reported	Total WIC One-Year Olds
Northeast							
Maine							
Number in category	27	60	59	30	6,022	27	6,225
Percent reporting breastfeeding duration	48.1	28.3	39.0	43.3	40.4	22.2	40.3
Mean	14	16	14	18	18	15	18
Mode	17	*	4	13	1	*	1
Massachusetts							
Number in category	52	1,413	4,576	6,311	10,825	0	23,177
Percent reporting breastfeeding duration	34.6	12.8	29.2	36.9	28.0	0.0	29.7
Mean	11	17	19	16	20	N/A	18
Mode	*	1	1	1	1	N/A	1
New York							
Number in category	224	3,676	26,782	27,048	26,378	2,145	86,253
Percent reporting breastfeeding duration	30.4	15.1	20.3	21.2	28.4	20.3	22.9
Mean	23	15	16	13	19	17	17
Mode	52	1	1	1	1	1	1
Rhode Island							
Number in category	18	247	624	1,229	2,618	0	4,736
Percent reporting breastfeeding duration	5.6	4.0	13.0	16.1	13.0	0.0	13.3
Mean	16	10	9	8	10	N/A	9
Mode	16	4	1	1	1	N/A	1
Vermont							
Number in category	7	30	30	8	3,095	0	3,170
Percent reporting breastfeeding duration	28.6	63.3	36.7	25.0	38.5	0.0	38.7
Mean	28	21	11	6	21	N/A	21
Mode	*	*	*	*	52	N/A	52
Seneca Nation							
Number in category	58	0	0	0	3	0	61
Percent reporting breastfeeding duration	8.6	0.0	0.0	0.0	0.0	0.0	8.2
Mean	36	N/A	N/A	N/A	N/A	N/A	36
Mode	43	N/A	N/A	N/A	N/A	N/A	43

Exhibit G.7 (continued)

Breastfeeding Duration in Weeks Among WIC One-Year-Olds by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Ethnicity Not Reported	Total WIC One-Year Olds
<i>Mid-Atlantic</i>							
District of Columbia							
Number in category	14	82	4,142	739	21	0	4,998
Percent reporting breastfeeding duration	21.4	18.3	17.1	40.7	19.0	0.0	20.6
Mean	36	25	11	15	19	N/A	12
Mode	*	36	1	4	*	N/A	1
Maryland							
Number in category	13	229	7,826	839	5,267	0	14,174
Percent reporting breastfeeding duration	38.5	31.9	15.3	49.9	29.7	0.0	23.0
Mean	28	24	19	26	19	N/A	20
Mode	52	52	1	52	1	N/A	1
Pennsylvania							
Number in category	69	1,152	17,128	5,008	39,823	0	63,180
Percent reporting breastfeeding duration	5.8	6.9	5.4	12.1	14.5	0.0	11.7
Mean	41	35	37	37	38	N/A	38
Mode	*	*	48	*	49	N/A	49
Puerto Rico							
Number in category	12	30	50	36,733	329	16	37,169
Percent reporting breastfeeding duration	42.6	24.5	31.1	20.2	18.4	8.6	20.2
Mean	17	7	6	9	8	1	9
Mode	1	8	2	1	1	1	1
West Virginia							
Number in category	1	16	442	32	8,488	17	8,996
Percent reporting breastfeeding duration	0.0	56.3	17.6	37.5	26.1	11.8	25.8
Mean	N/A	21	20	25	23	35	23
Mode	N/A	12	1	*	2	*	2

Exhibit G.7 (continued)

Breastfeeding Duration in Weeks Among WIC One-Year-Olds by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Ethnicity Not Reported	Total WIC One-Year Olds
Southeast							
North Carolina							
Number in category	780	540	16,489	600	15,148	0	33,557
Percent reporting breastfeeding duration	9.1	36.3	13.7	37.0	32.0	0.0	22.6
Mean	24	30	22	27	23	N/A	23
Mode	1	*	1	1	1	N/A	1
Eastern Band-Cherokee							
Number in category	84	0	0	2	4	0	90
Percent reporting breastfeeding duration	48.8	0.0	0.0	50.0	0.0	0.0	46.7
Mean	34	N/A	N/A	52	N/A	N/A	35
Mode	52	N/A	N/A	52	N/A	N/A	52
Midwest							
Illinois							
Number in category	30	698	19,298	11,805	14,918	667	47,416
Percent reporting breastfeeding duration	30.0	22.3	9.8	27.0	26.9	24.4	19.9
Mean	12	14	10	13	12	14	12
Mode	4	1	1	4	1	1	1
Indiana							
Number in category	19	136	6,033	1,200	22,286	150	29,824
Percent reporting breastfeeding duration	42.1	74.3	21.2	41.9	36.0	52.7	33.5
Mean	23	21	16	17	17	23	17
Mode	12	*	1	1	1	1	1
Minnesota							
Number in category	985	1,880	2,805	1,147	15,123	0	21,940
Percent reporting breastfeeding duration	30.6	11.4	22.8	34.0	39.2	0.0	34.0
Mean	16	20	15	16	15	N/A	15
Mode	2	*	1	8	1	N/A	1

Exhibit G.7 (continued)

Breastfeeding Duration in Weeks Among WIC One-Year-Olds by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Ethnicity Not Reported	Total WIC One-Year Olds
Southwest							
Cherokee Nation							
Number in category	1,165	0	1	0	53	0	1,219
Percent reporting breastfeeding duration	36.3	0.0	0.0	0.0	39.6	0.0	36.4
Mean	17	N/A	N/A	N/A	14	N/A	17
Mode	1	N/A	N/A	N/A	2	N/A	1
Chicksaw Nation							
Number in category	265	0	15	10	143	0	433
Percent reporting breastfeeding duration	31.7	0.0	13.3	10.0	37.1	0.0	32.3
Mean	25	N/A	22	6	21	N/A	23
Mode	2	N/A	*	6	4	N/A	*
Pueblo of Zuñi							
Number in category	203	0	0	0	0	0	203
Percent reporting breastfeeding duration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mode	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WCD							
Number in category	365	0	0	2	0	0	367
Percent reporting breastfeeding duration	0.3	0.0	0.0	0.0	0.0	0.0	0.3
Mean	22	N/A	N/A	N/A	N/A	N/A	22
Mode	22	N/A	N/A	N/A	N/A	N/A	22

Exhibit G.7 (continued)

Breastfeeding Duration in Weeks Among WIC One-Year-Olds by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Ethnicity Not Reported	Total WIC One-Year Olds
Mountain Plains							
Iowa							
Number in category	77	260	1,142	667	11,242	0	13,388
Percent reporting breastfeeding duration	0.0	0.8	0.2	0.4	1.5	0.0	1.3
Mean	N/A	18	3	10	19	N/A	19
Mode	N/A	*	*	12	4	N/A	4
Kansas							
Number in category	242	133	1,788	1,741	7,952	0	11,856
Percent reporting breastfeeding duration	23.1	35.3	25.8	38.0	41.4	0.0	38.1
Mean	20	16	12	14	15	N/A	15
Mode	*	2	1	1	1	N/A	1
Nebraska							
Number in category	139	144	1,012	804	5,415	18	7,532
Percent reporting breastfeeding duration	28.1	27.8	20.8	37.1	38.3	33.3	35.4
Mean	11	13	10	14	13	28	13
Mode	4	4	1	1	1	*	1
South Dakota							
Number in category	857	24	69	38	2,876	0	3,864
Percent reporting breastfeeding duration	31.4	70.8	55.1	55.3	43.3	0.0	41.1
Mean	22	18	24	17	22	N/A	22
Mode	8	2	4	*	4	N/A	4
Utah							
Number in category	338	336	162	1,297	8,104	23	10,260
Percent reporting breastfeeding duration	48.2	53.3	51.2	52.9	67.7	47.8	64.4
Mean	20	21	21	22	24	31	23
Mode	*	1	4	52	1	48	1
Wyoming							
Number in category	46	13	40	254	1,621	0	1,974
Percent reporting breastfeeding duration	45.7	38.5	27.5	40.9	54.9	0.0	52.2
Mean	24	19	20	26	22	N/A	22
Mode	12	*	*	1	1	N/A	1

Exhibit G.7 (continued)

Breastfeeding Duration in Weeks Among WIC One-Year-Olds by Race or Ethnic Characteristics by State

Region and State	American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Ethnicity Not Reported	Total WIC One-Year Olds
Western							
Alaska							
Number in category	1,310	111	291	153	1,526	34	3,425
Percent reporting breastfeeding duration	41.7	49.5	35.4	47.7	51.5	55.9	46.2
Mean	17	10	16	16	18	15	17
Mode	4	2	2	4	12	1	2
Arizona							
Number in category	558	180	920	9,573	5,459	0	16,690
Percent reporting breastfeeding duration	34.1	17.8	17.7	27.3	32.9	0.0	28.7
Mean	9	11	9	10	11	N/A	10
Mode	1	*	1	1	1	N/A	1
Nevada							
Number in category	49	99	661	1,959	2,042	0	4,810
Percent reporting breastfeeding duration	24.5	18.2	10.1	20.5	25.9	0.0	21.4
Mean	21	19	19	17	18	N/A	18
Mode	8	12	12	12	12	N/A	12
Oregon							
Number in category	373	546	872	3,583	13,551	0	18,925
Percent reporting breastfeeding duration	4.0	4.0	2.6	6.0	9.1	0.0	8.0
Mean	16	21	23	28	24	N/A	25
Mode	2	4	*	52	52	N/A	52
Washington							
Number in category	840	1,210	1,513	4,274	11,414	923	20,174
Percent reporting breastfeeding duration	41.4	36.1	41.5	48.4	53.8	48.8	49.9
Mean	16	14	16	17	16	17	16
Mode	4	1	2	4	1	1	1
Navajo Nation							
Number in category	3,702	2	0	7	15	0	3,726
Percent reporting breastfeeding duration	70.7	100.0	0.0	28.6	86.7	0.0	70.7
Mean	22	20	N/A	1	25	N/A	22
Mode	1	*	N/A	1	52	N/A	1

Breastfeeding Duration in Weeks Among WIC One-Year-Olds by Race or Ethnic Characteristics by State

Notes

NA denotes not applicable.

Most WIC infants are certified to receive benefits within a few days or weeks from birth. Generally, data on receipt of breastmilk are collected at certification. This table on breastfeeding duration among one-year-old WIC recipients was constructed to obtain information on duration of breastfeeding for WIC infants. Thirty-five State WIC agencies attempted to provide these data; however, only fifteen agencies were able to provide this information for 40 percent or more of their participants. Readers are cautioned that the data reported above cannot be considered as representative of breastfeeding duration among one-year-olds in the WIC Program.

Multiple Modes by Race or Ethnic Characteristics by State

Region or State	Race	Modes					
Maine	Asian or Pacific Islander	1	17				
Maine	Ethnicity Not Reported	1	3	10	11	30	35
Massachusetts	American Indian or Alaskan Native	1	2	12			
New Hampshire	Hispanic	2	4	24			
Vermont	American Indian or Alaskan Native	7	48				
Vermont	Asian or Pacific Islander	2	9	13	52		
Vermont	Black (Non-Hispanic)	1	3				
Vermont	Hispanic	1	10				
District of Columbia	American Indian or Alaskan Native	4	48	55			
District of Columbia	White (Non-Hispanic)	4	11	24	35		
Pennsylvania	American Indian or Alaskan Native	25	30	51	56		
Pennsylvania	Asian or Pacific Islander	15	22	33			
Pennsylvania	Hispanic	1	21				
West Virginia	Hispanic	1	12	46			
West Virginia	Ethnicity Not Reported	16	53				
Southeast	Asian or Pacific Islander	1	75				
North Carolina	Asian or Pacific Islander	1	75				
Indiana	Asian or Pacific Islander	2	52				
Minnesota	Asian or Pacific Islander	1	4				
Chickasaw Nation	Black (Non-Hispanic)	20	24				
Chickasaw Nation	Total WIC One-Year Olds	2	52				
Mountain Plains	Ethnicity Not Reported	16	24	48	52		
Iowa	Asian or Pacific Islander	13	22				
Iowa	Black (Non-Hispanic)	1	4				
Kansas	American Indian or Alaskan Native	1	52				
Nebraska	Ethnicity Not Reported	4	9	16	24	52	64
South Dakota	Hispanic	6	8				
Utah	American Indian or Alaskan Native	4	12				
Wyoming	Asian or Pacific Islander	1	3	20	24	48	
Wyoming	Black (Non-Hispanic)	2	10				
Western	Black (Non-Hispanic)	1	2				
Arizona	Asian or Pacific Islander	1	2				
Oregon	Black (Non-Hispanic)	4	8	52			
Navajo Nation	Asian or Pacific Islander	6	14				

Exhibit G.8

Distribution of Birthweights for Infant and Child WIC Participants by State

	Very Low Birthweight		Low Birthweight		Normal Birthweight		High Birthweight		Birthweight Not Reported		Total WIC	
Region and State	Infants	Children	Infants	Children	Infants	Children	Infants	Children	Infants	Children	Infants Number	Children Number
	Percent by State											
Northeast												
Maine	0.7	0.6	5.2	4.0	75.2	54.1	18.4	14.6	0.5	26.6	5,669	17,131
Massachusetts	1.1	0.9	6.5	4.9	74.5	54.5	14.9	10.9	3.0	28.8	29,428	71,903
New York	1.1	0.9	6.3	5.1	69.3	50.3	12.5	9.6	10.9	34.0	149,893	248,354
Rhode Island	0.8	0.8	5.8	4.1	74.5	48.6	14.8	9.9	4.1	36.6	4,660	11,434
Vermont	1.2	0.7	6.6	4.9	72.8	65.5	17.4	14.8	2.0	14.1	2,946	9,416
Seneca Nation	0.0	0.0	3.4	2.1	45.8	41.4	28.8	19.9	22.0	36.6	59	191
Mid-Atlantic												
District of Columbia	2.0	2.4	9.9	10.5	76.5	70.0	9.4	9.5	2.1	7.6	6,352	10,162
Maryland	1.7	1.7	8.2	8.0	73.2	67.5	13.0	12.8	3.9	10.0	29,678	38,570
New Jersey	1.3	1.3	7.4	7.2	73.8	69.2	12.7	11.8	4.7	10.5	35,282	75,039
Pennsylvania	1.0	1.0	7.8	5.6	76.9	57.3	13.7	11.1	0.6	25.0	63,325	168,026
Virgin Islands	0.9	1.1	5.8	6.7	79.5	77.0	13.0	14.2	0.7	1.0	1,436	3,808
West Virginia	0.8	0.9	6.2	6.2	76.6	72.9	15.4	15.3	1.0	4.8	14,395	26,226
Southeast												
Alabama	1.0	1.0	7.5	5.4	73.0	47.8	12.0	7.6	6.6	38.1	27,019	68,129
Florida	0.8	0.3	5.2	1.2	55.2	12.1	10.2	2.4	28.5	83.9	105,669	165,571
Midwest												
Illinois	1.2	0.5	7.6	2.6	75.8	25.9	12.7	4.5	2.7	66.5	78,231	120,602
Indiana	1.1	1.2	6.6	6.6	76.5	74.1	14.8	16.0	1.0	2.2	40,852	79,639
Minnesota	1.0	0.9	5.8	5.2	75.1	66.7	17.3	15.8	0.9	11.4	20,020	62,523
Ohio	1.2	1.2	7.6	6.8	75.1	62.4	13.5	12.1	2.7	17.4	63,933	133,286
Wisconsin	1.0	0.9	6.8	4.7	74.3	52.9	14.7	11.2	3.1	30.3	25,790	61,264
Southwest												
Arkansas	1.1	1.1	7.1	7.3	76.9	70.3	12.5	12.4	2.4	8.8	15,874	47,723
Chickasaw Nation	0.5	0.7	3.6	5.5	74.2	73.4	18.4	17.6	3.3	2.8	550	1,165
Pueblo of Zuni	0.0	0.0	6.1	0.2	83.8	0.7	0.0	0.0	2.7	99.1	148	570
Mountain Plains												
Iowa	0.1	0.1	0.4	0.4	4.7	4.3	1.0	1.3	93.8	94.0	12,348	36,539
Kansas	0.8	0.9	6.7	5.5	75.1	64.7	14.5	13.4	2.9	15.4	14,871	31,021
Missouri	1.1	0.9	7.3	5.4	75.5	57.3	14.1	11.4	2.0	25.0	40,190	68,182
Nebraska	0.9	0.9	5.9	5.4	73.8	65.9	14.9	15.1	4.5	12.6	8,433	20,058
South Dakota	0.6	0.3	5.2	1.5	74.7	24.1	18.1	6.4	1.4	67.7	4,549	11,318
Utah	1.0	0.9	6.2	5.9	78.6	77.3	13.6	14.7	0.7	1.1	15,741	32,603
Wyoming	0.8	1.0	7.5	7.4	81.0	79.1	10.4	11.9	0.4	0.5	2,494	5,892

Exhibit G.8 (continued)

Distribution of Birthweights for Infant and Child WIC Participants by State

Region and State	Very Low Birthweight		Low Birthweight		Normal Birthweight		High Birthweight		Birthweight Not Reported		Total WIC	
	Infants	Children	Infants	Children	Infants	Children	Infants	Children	Infants	Children	Infants	Children
	Percent by State										Number	Number
Western												
Alaska	0.9	0.8	4.7	5.2	71.1	69.4	22.6	22.3	0.7	2.3	4,344	8,811
Arizona	0.9	1.2	5.9	6.6	78.2	72.2	13.6	13.3	1.4	6.7	30,034	37,601
Idaho	0.7	0.7	4.8	4.5	74.3	63.3	15.3	13.7	4.9	17.8	6,727	19,445
Nevada	1.0	0.7	6.5	4.3	71.1	45.5	12.1	8.3	9.3	41.2	6,901	12,454
Oregon	0.6	0.5	4.2	3.7	61.3	46.1	16.0	12.4	18.0	37.3	15,774	41,589
ITC Arizona	0.5	0.4	4.4	2.1	69.6	33.8	17.3	8.9	8.2	54.9	2,017	5,178
Navajo Nation	1.0	0.8	4.9	5.2	78.7	78.2	14.9	14.2	0.5	1.6	3,897	12,022

Notes

An infant is defined as a participant who is under one year of age and who would be classified as a child at the age of 366 days.

Very low birthweight	0-1,499 grams	Normal birthweight	2,500-3,999 grams
Low birthweight	1,500-2,499 grams	High birthweight	4,000-5,999 grams

Data on infants are generally sufficient to allow interpretation for individual States. However, in some cases, substantial amounts of data are missing for children. Interpretations should take missing data into account.

Exhibit G.9

Distribution of Birthweights for Infant and Child Migrant WIC Participants by State

Region and State	Very Low Birthweight		Low Birthweight		Normal Birthweight		High Birthweight		Birthweight Not Reported		Total WIC	
	Infants	Children	Infants	Children	Infants	Children	Infants	Children	Infants	Children	Infants	Children
	Percent by State										Number	Number
Northeast												
Maine	0.0	0.0	0.0	3.4	100.0	34.5	0.0	13.8	0.0	48.3	3	29
New York	0.0	1.4	3.4	4.9	69.0	50.2	13.8	8.4	13.8	35.1	290	572
Rhode Island	0.0	0.0	0.0	0.0	0.0	75.0	0.0	0.0	0.0	25.0	0	4
Vermont	0.0	0.0	33.3	0.0	66.7	64.7	0.0	5.9	0.0	29.4	6	17
Mid-Atlantic												
Maryland	3.2	0.0	6.5	6.8	64.5	56.8	19.4	15.9	6.5	20.5	31	44
New Jersey	0.0	0.0	0.0	3.3	78.6	61.7	7.1	15.0	14.3	20.0	14	60
Pennsylvania	0.0	0.5	5.7	2.8	83.0	43.3	11.3	8.3	0.0	45.2	53	217
West Virginia	0.0	0.0	16.7	0.0	83.3	64.7	0.0	5.9	0.0	29.4	6	17
Southeast												
Alabama	1.9	0.0	11.3	7.7	71.7	37.4	11.3	7.7	3.8	47.3	53	91
Florida	0.4	0.1	3.1	0.4	49.5	7.7	8.6	1.4	38.4	90.4	2,901	7,428
Midwest												
Illinois	0.8	0.0	7.4	3.3	78.1	31.8	10.2	3.0	3.5	61.8	256	310
Indiana	3.3	2.7	9.8	4.0	70.5	72.0	14.8	16.0	1.6	5.3	61	150
Minnesota	1.0	0.2	3.8	5.4	74.3	53.5	15.2	8.1	5.7	32.8	105	540
Ohio	0.7	0.4	12.0	8.9	71.1	51.5	6.3	9.7	9.9	29.5	142	237
Wisconsin	3.6	2.0	7.3	2.7	67.3	36.5	12.7	9.5	9.1	49.3	55	148
Southwest												
Arkansas	0.0	1.5	2.3	3.0	44.2	52.2	20.9	7.5	32.6	35.8	43	67
Mountain Plains												
Iowa	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	85.7	0	14
Kansas	0.0	0.0	4.8	0.0	66.7	45.5	14.3	10.9	14.3	43.6	21	55
Missouri	0.0	6.7	18.2	20.0	63.6	53.3	9.1	6.7	9.1	13.3	11	15
Nebraska	0.0	0.0	9.1	4.9	81.8	56.1	0.0	14.6	9.1	24.4	11	41
South Dakota	0.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	100.0	2	3
Utah	1.9	0.0	3.7	5.9	77.8	74.7	16.7	13.5	0.0	5.9	54	170
Wyoming	0.0	0.0	15.4	14.0	76.9	69.8	7.7	16.3	0.0	0.0	13	43

Exhibit G.9 (continued)

Distribution of Birthweights for Infant and Child Migrant WIC Participants by State

Region and State	Very Low Birthweight		Low Birthweight		Normal Birthweight		High Birthweight		Birthweight Not Reported		Total WIC	
	Infants	Children	Infants	Children	Infants	Children	Infants	Children	Infants	Children	Infants	Children
	Percent by State										Number	Number
Western												
Arizona	0.0	0.0	0.0	9.3	88.9	58.1	11.1	14.0	0.0	18.6	18	43
Idaho	0.0	0.0	6.3	4.6	73.4	52.3	17.2	11.7	3.1	31.4	64	283
Nevada	0.0	0.0	0.0	0.0	60.0	26.7	0.0	13.3	40.0	60.0	5	15
Oregon	0.8	0.9	4.7	3.7	68.6	50.2	17.9	12.4	8.0	32.8	363	1,543
ITC Arizona	0.0	1.3	14.3	0.0	71.4	28.9	14.3	9.2	0.0	60.5	7	76

Notes

An infant is defined as a participant who is under one year of age and who would be classified as a child at the age of 365 days.

Very low birthweight 0-1,499 grams
 Low birthweight 1,500-2,499 grams
 Normal birthweight 2,500-3,999 grams
 High birthweight 4,000-5,999 grams

Data on infants are generally sufficient to allow interpretation for individual States. However, in some cases, substantial amounts of data are missing for children. Interpretations should take missing data into account.

Exhibit G.10

Mean Birthweight in Grams of WIC Infants by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Infants
Northeast								
Maine								
Infants in category	Number	19	42	67	20	5,495	26	5,669
Percent reporting birthweight	%	100.0	100.0	98.5	100.0	99.5	96.2	99.5
Mean	Grams	3557.2	3272.4	3285.2	3220.6	3385.6	3175.2	3382.6
Massachusetts								
Infants in category	Number	48	1,670	5,749	6,930	15,031	0	29,428
Percent reporting birthweight	%	97.9	96.8	96.1	96.3	97.7	0.0	97.0
Mean	Grams	3262.1	3222.9	3205.8	3289.4	3350.7	0.0	3301.0
New York								
Infants in category	Number	516	6,531	46,869	46,656	43,474	5,847	149,893
Percent reporting birthweight	%	93.0	90.1	88.9	86.8	92.1	86.0	89.1
Mean	Grams	3305.6	3269.9	3173.7	3291.4	3362.1	3275.3	3274.4
Rhode Island								
Infants in category	Number	27	221	624	1,095	2,693	0	4,660
Percent reporting birthweight	%	92.6	96.4	95.7	95.6	96.1	0.0	95.9
Mean	Grams	3175.2	3175.2	3237.5	3325.5	3336.0	0.0	3311.8
Vermont								
Infants in category	Number	1	26	30	3	2,886	0	2,946
Percent reporting birthweight	%	100.0	80.8	100.0	66.7	98.2	0.0	98.0
Mean	Grams	3628.8	3240.0	3205.4	2494.8	3340.0	0.0	3337.3
Seneca Nation								
Infants in category	Number	55	0	0	0	4	0	59
Percent reporting birthweight	%	80.0	0.0	0.0	0.0	50.0	0.0	78.0
Mean	Grams	3628.8	0.0	0.0	0.0	3402.0	0.0	3618.9

Mean Birthweight in Grams of WIC Infants by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Infants
Mid-Atlantic								
District of Columbia								
Infants in category	Number	7	71	5,480	753	41	0	6,352
Percent reporting birthweight	%	100.0	97.2	97.7	99.5	97.6	0.0	97.9
Mean	Grams	3434.4	3260.7	3113.8	3320.5	3402.0	0.0	3142.6
Maryland								
Infants in category	Number	33	503	16,935	2,002	10,205	0	29,678
Percent reporting birthweight	%	100.0	96.2	95.0	97.8	97.5	0.0	96.1
Mean	Grams	3161.5	3234.2	3138.4	3350.3	3352.4	0.0	3229.3
New Jersey								
Infants in category	Number	197	703	13,719	11,713	8,711	239	35,282
Percent reporting birthweight	%	94.4	96.4	95.2	94.7	96.3	95.0	95.3
Mean	Grams	3311.8	3240.1	3143.4	3295.8	3358.3	3207.2	3250.6
Pennsylvania								
Infants in category	Number	71	1,099	18,302	4,851	39,002	0	63,325
Percent reporting birthweight	%	100.0	99.2	99.0	98.9	99.6	0.0	99.4
Mean	Grams	3379.6	3194.3	3122.2	3218.2	3334.3	0.0	3262.0
Puerto Rico								
Infants in category	Number	10	53	59	53,940	358	21	54,441
Percent reporting birthweight	%	100.0	100.0	97.6	96.6	96.3	100.0	96.6
Mean	Grams	3371.1	3250.5	3243.8	3185.1	3205.7	2722.3	3185.2
Virgin Islands								
Infants in category	Number	0	4	1,196	220	16	0	1,436
Percent reporting birthweight	%	0.0	100.0	99.2	99.5	100.0	0.0	99.1
Mean	Grams	0.0	3288.6	3283.7	3233.2	3487.1	0.0	3278.3
West Virginia								
Infants in category	Number	4	18	741	35	13,580	17	14,395
Percent reporting birthweight	%	100.0	100.0	98.5	100.0	99.0	94.1	99.0
Mean	Grams	3402.0	3276.0	3197.6	3525.1	3319.5	3260.3	3313.6
Southeast								
Alabama								
Infants in category	Number	58	220	13,500	158	13,083	0	27,019
Percent reporting birthweight	%	91.4	95.9	94.6	89.9	92.3	0.0	93.4
Mean	Grams	3354.9	3274.1	3152.9	3264.6	3329.1	0.0	3239.2
Florida								
Infants in category	Number	154	880	37,785	21,522	45,328	0	105,669
Percent reporting birthweight	%	68.2	69.7	75.1	74.4	67.1	0.0	71.5
Mean	Grams	3322.1	3214.4	3166.4	3335.9	3344.1	0.0	3274.5

Exhibit G.10 (continued)

Mean Birthweight in Grams of WIC Infants by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Infants
Mountain Plains								
Iowa								
Infants in category	Number	58	224	1,001	606	10,459	0	12,348
Percent reporting birthweight	%	0.0	1.8	2.4	1.7	7.0	0.0	6.2
Mean	Grams	0.0	2948.4	3326.4	3175.2	3351.5	0.0	3346.3
Kansas								
Infants in category	Number	322	157	2,438	2,007	9,947	0	14,871
Percent reporting birthweight	%	93.8	94.3	96.8	96.7	97.3	0.0	97.1
Mean	Grams	3182.7	3273.3	3158.9	3343.2	3331.6	0.0	3301.2
Missouri								
Infants in category	Number	42	358	12,463	566	26,542	219	40,190
Percent reporting birthweight	%	97.6	97.5	97.3	97.5	98.3	94.5	98.0
Mean	Grams	3462.8	3248.0	3139.4	3360.9	3335.6	3287.0	3274.6
Nebraska								
Infants in category	Number	127	148	1,180	1,008	5,961	9	8,433
Percent reporting birthweight	%	90.6	93.9	97.3	93.5	95.7	88.9	95.5
Mean	Grams	3348.8	3243.7	3179.9	3309.1	3346.2	3515.4	3316.6
South Dakota								
Infants in category	Number	879	41	86	60	3,483	0	4,549
Percent reporting birthweight	%	98.6	100.0	98.8	98.3	98.6	0.0	98.6
Mean	Grams	3448.3	3153.1	3201.9	3390.5	3375.9	0.0	3384.8
Utah								
Infants in category	Number	437	537	213	1,865	12,648	41	15,741
Percent reporting birthweight	%	98.9	99.1	99.1	99.1	99.4	97.6	99.3
Mean	Grams	3314.8	3286.0	3181.6	3270.9	3291.1	3254.6	3287.6
Wyoming								
Infants in category	Number	47	12	57	293	2,085	0	2,494
Percent reporting birthweight	%	100.0	100.0	96.5	99.7	99.7	0.0	99.6
Mean	Grams	3194.5	3213.0	3002.0	3192.3	3206.8	0.0	3200.4

Mean Birthweight in Grams of WIC Infants by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Infants
Western								
Alaska								
Infants in category	Number	1,362	144	419	205	2,135	79	4,344
Percent reporting birthweight	%	99.0	100.0	99.8	100.0	99.3	100.0	99.3
Mean	Grams	3497.9	3301.2	3243.6	3420.8	3422.0	3439.3	3424.7
Arizona								
Infants in category	Number	795	364	1,843	16,246	10,786	0	30,034
Percent reporting birthweight	%	97.9	98.1	98.9	98.8	98.4	0.0	98.6
Mean	Grams	3354.8	3200.6	3148.8	3318.2	3278.1	0.0	3293.0
Idaho								
Infants in category	Number	166	55	40	1,435	5,031	0	6,727
Percent reporting birthweight	%	58.4	98.2	100.0	95.9	96.0	0.0	95.1
Mean	Grams	3413.7	3250.8	3231.9	3335.1	3354.7	0.0	3349.7
Nevada								
Infants in category	Number	43	188	1,084	2,461	3,125	0	6,901
Percent reporting birthweight	%	93.0	89.4	93.8	89.4	90.6	0.0	90.7
Mean	Grams	3277.3	3196.8	3093.1	3334.8	3276.9	0.0	3265.2
Oregon								
Infants in category	Number	300	557	700	2,853	11,364	0	15,774
Percent reporting birthweight	%	69.3	87.3	89.1	77.4	82.8	0.0	82.0
Mean	Grams	3421.6	3318.9	3215.9	3403.5	3403.5	0.0	3391.6
ITC-Arizona								
Infants in category	Number	1,822	3	3	104	85	0	2,017
Percent reporting birthweight	%	91.7	100.0	100.0	94.2	90.6	0.0	91.8
Mean	Grams	3401.7	3326.4	3175.2	3327.9	3328.4	0.0	3394.3
Navajo Nation								
Infants in category	Number	3,870	1	0	6	20	0	3,897
Percent reporting birthweight	%	99.5	100.0	0.0	100.0	100.0	0.0	99.5
Mean	Grams	3333.4	2721.6	0.0	3477.6	3265.9	0.0	3333.1

Note

An infant is defined as a participant who is under one year of age and who would be classified as a child at the age of 365 days.

Exhibit G.11

Mean Birthweight in Grams of WIC Children by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Infants
<i>Northeast</i>								
Maine								
Children in category	Number	63	162	188	94	16,589	35	17,131
Percent reporting birthweight	%	81.0	59.3	58.0	55.3	73.7	77.1	73.4
Mean	Grams	3557.6	3250.8	3337.5	3358.4	3389.2	3225.6	3387.9
Massachusetts								
Children in category	Number	136	4,438	14,457	20,528	32,343	1	71,903
Percent reporting birthweight	%	64.7	73.5	72.4	71.5	70.3	0.0	71.2
Mean	Grams	3175.2	3209.0	3213.8	3284.6	3348.0	0.0	3293.2
New York								
Children in category	Number	678	9,310	73,898	76,762	82,062	5,644	248,354
Percent reporting birthweight	%	67.0	68.2	67.9	61.0	70.0	48.0	66.0
Mean	Grams	3315.1	3232.2	3156.5	3276.8	3363.6	3250.4	3268.3
Rhode Island								
Children in category	Number	64	559	1,545	3,043	6,223	0	11,434
Percent reporting birthweight	%	68.8	68.7	66.6	59.5	63.9	0.0	63.4
Mean	Grams	3360.8	3087.8	3206.1	3333.9	3330.6	0.0	3301.0
Vermont								
Children in category	Number	22	69	92	30	9,203	0	9,416
Percent reporting birthweight	%	86.4	68.1	72.8	73.3	86.2	0.0	85.9
Mean	Grams	3366.2	3252.4	3195.5	3134.0	3346.5	0.0	3344.2
Seneca Nation								
Children in category	Number	179	0	0	1	10	1	191
Percent reporting birthweight	%	63.7	0.0	0.0	100.0	60.0	0.0	63.4
Mean	Grams	3656.7	0.0	0.0	4082.4	3402.0	0.0	3647.5

Mean Birthweight in Grams of WIC Children by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Infants
Mid-Atlantic								
District of Columbia								
Children in category	Number	24	139	8,300	1,645	54	0	10,162
Percent reporting birthweight	%	95.8	92.8	91.4	97.6	90.7	0.0	92.4
Mean	Grams	3273.8	3147.1	3086.7	3349.6	3295.5	0.0	3134.0
Maryland								
Children in category	Number	39	636	20,395	2,209	15,291	0	38,570
Percent reporting birthweight	%	87.2	93.9	86.8	94.6	93.5	0.0	90.0
Mean	Grams	3148.5	3183.6	3117.8	3324.5	3357.8	0.0	3230.2
New Jersey								
Children in category	Number	335	1,642	28,667	26,571	17,428	396	75,039
Percent reporting birthweight	%	76.7	90.2	90.0	90.2	87.9	84.8	89.5
Mean	Grams	3205.2	3219.9	3121.5	3294.8	3353.8	3231.9	3239.3
Pennsylvania								
Children in category	Number	186	2,820	42,130	14,087	108,803	0	168,026
Percent reporting birthweight	%	65.1	74.0	75.8	69.3	75.5	0.0	75.0
Mean	Grams	3238.9	3216.0	3113.3	3244.0	3340.4	0.0	3273.2
Virgin Islands								
Children in category	Number	4	13	3,266	494	31	0	3,808
Percent reporting birthweight	%	100.0	100.0	99.1	98.6	100.0	0.0	99.0
Mean	Grams	2948.4	3245.0	3286.3	3276.7	3350.8	0.0	3285.1
West Virginia								
Children in category	Number	6	38	1,292	82	24,772	36	26,226
Percent reporting birthweight	%	100.0	97.4	94.2	91.5	95.3	91.7	95.2
Mean	Grams	3477.6	3273.3	3133.1	3411.1	3320.2	3285.2	3311.3
Southeast								
Alabama								
Children in category	Number	145	366	37,901	448	29,269	0	68,129
Percent reporting birthweight	%	55.9	56.3	64.0	46.2	59.6	0.0	61.9
Mean	Grams	3320.8	3177.4	3127.8	3333.0	3321.4	0.0	3209.4
Florida								
Children in category	Number	207	1,400	61,836	32,913	69,195	0	165,571
Percent reporting birthweight	%	15.0	5.4	15.6	18.7	15.3	0.0	16.1
Mean	Grams	3336.2	3272.5	3161.1	3318.7	3347.2	0.0	3272.5

Exhibit G.11 (continued)

Mean Birthweight in Grams of WIC Children by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Infants
Midwest								
Illinois								
Children in category	Number	79	1,546	48,790	28,570	39,912	1,705	120,602
Percent reporting birthweight	%	30.4	37.1	33.3	35.3	32.4	33.6	33.5
Mean	Grams	3061.8	3259.8	3113.0	3355.1	3328.5	3273.4	3246.5
Indiana								
Children in category	Number	50	367	15,962	3,205	59,708	347	79,639
Percent reporting birthweight	%	96.0	96.2	96.9	96.3	98.2	96.8	97.8
Mean	Grams	3345.3	3253.6	3150.8	3340.4	3353.2	3233.2	3311.5
Minnesota								
Children in category	Number	3,151	6,323	7,988	3,176	41,885	0	62,523
Percent reporting birthweight	%	88.6	88.2	85.3	77.7	90.1	0.0	88.6
Mean	Grams	3469.2	3210.8	3146.2	3327.3	3399.9	0.0	3349.9
Ohio								
Children in category	Number	95	1,084	42,886	3,567	84,965	689	133,286
Percent reporting birthweight	%	71.6	72.1	80.8	70.1	84.2	73.4	82.6
Mean	Grams	3368.6	3221.6	3094.8	3278.1	3334.9	3307.9	3257.1
Wisconsin								
Children in category	Number	1,682	5,246	16,156	4,871	33,307	2	61,264
Percent reporting birthweight	%	76.2	70.4	67.7	75.9	69.3	0.0	69.7
Mean	Grams	3541.3	3264.4	3114.4	3331.8	3384.5	0.0	3305.0
Southwest								
Arkansas								
Children in category	Number	127	177	17,274	1,104	29,029	12	47,723
Percent reporting birthweight	%	88.2	86.4	90.0	82.0	92.2	100.0	91.2
Mean	Grams	3296.7	3157.4	3121.4	3326.6	3317.2	3250.8	3246.8
Chickasaw Nation								
Children in category	Number	750	0	39	24	352	0	1,165
Percent reporting birthweight	%	97.6	0.0	92.3	91.7	97.2	0.0	97.2
Mean	Grams	3429.3	0.0	2898.0	3237.1	3372.8	0.0	3391.6
Pueblo of Zuñi								
Children in category	Number	570	0	0	0	0	0	570
Percent reporting birthweight	%	0.9	0.0	0.0	0.0	0.0	0.0	0.9
Mean	Grams	3175.2	0.0	0.0	0.0	0.0	0.0	3175.2

Mean Birthweight in Grams of WIC Children by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Infants
Mountain Plains								
Iowa								
Children in category	Number	222	677	3,022	1,700	30,918	0	36,539
Percent reporting birthweight	%	1.4	1.3	2.6	1.7	6.7	0.0	6.0
Mean	Grams	3477.6	3124.8	3203.9	3362.9	3397.2	0.0	3388.8
Kansas								
Children in category	Number	564	366	4,395	4,432	21,264	0	31,021
Percent reporting birthweight	%	81.4	80.3	86.5	81.2	85.0	0.0	84.6
Mean	Grams	3154.4	3434.4	3147.2	3334.0	3340.6	0.0	3309.5
Missouri								
Children in category	Number	104	440	17,845	1,060	48,441	292	68,182
Percent reporting birthweight	%	83.7	68.4	68.8	69.3	77.5	74.0	75.0
Mean	Grams	3503.7	3190.3	3125.2	3338.1	3340.4	3223.5	3287.6
Nebraska								
Children in category	Number	361	336	2,679	2,180	14,453	49	20,058
Percent reporting birthweight	%	82.8	79.2	90.3	78.9	88.5	61.2	87.4
Mean	Grams	3366.3	3197.4	3168.6	3316.2	3371.3	3250.8	3335.0
South Dakota								
Children in category	Number	2,543	78	175	154	8,368	0	11,318
Percent reporting birthweight	%	31.0	30.8	38.3	24.0	32.7	0.0	32.3
Mean	Grams	3424.1	3402.0	3398.6	3432.6	3399.0	0.0	3404.8
Utah								
Children in category	Number	1,155	1,153	458	4,401	25,361	75	32,603
Percent reporting birthweight	%	97.7	99.0	96.3	97.9	99.1	93.3	98.9
Mean	Grams	3327.1	3349.3	3096.0	3236.9	3326.7	3136.3	3311.9
Wyoming								
Children in category	Number	124	39	129	792	4,808	0	5,892
Percent reporting birthweight	%	98.4	100.0	99.2	99.5	99.5	0.0	99.5
Mean	Grams	3372.3	3151.9	3146.9	3171.2	3247.2	0.0	3236.7

Exhibit G.11 (continued)

Mean Birthweight in Grams of WIC Children by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Infants
Western								
Alaska								
Children in category	Number	3,425	289	746	380	3,884	87	8,811
Percent reporting birthweight	%	96.9	98.3	96.6	97.4	98.5	98.9	97.7
Mean	Grams	3489.0	3398.8	3224.9	3392.2	3449.4	3460.0	3441.8
Arizona								
Children in category	Number	1,490	372	2,071	21,427	12,241	0	37,601
Percent reporting birthweight	%	92.6	89.8	92.2	93.0	94.3	0.0	93.3
Mean	Grams	3373.5	3213.2	3128.6	3289.1	3274.8	0.0	3278.3
Idaho								
Children in category	Number	550	153	150	4,598	13,994	0	19,445
Percent reporting birthweight	%	40.0	83.0	89.3	81.1	84.2	0.0	82.2
Mean	Grams	3420.6	3268.1	3351.2	3354.0	3344.0	0.0	3346.9
Nevada								
Children in category	Number	94	226	1,689	5,198	5,247	0	12,454
Percent reporting birthweight	%	74.5	61.5	69.0	55.6	58.4	0.0	58.8
Mean	Grams	3201.1	3220.9	3120.0	3339.5	3280.5	0.0	3276.4
Oregon								
Children in category	Number	880	1,148	1,881	8,243	29,437	0	41,589
Percent reporting birthweight	%	48.4	56.1	70.9	56.5	64.6	0.0	62.7
Mean	Grams	3410.5	3242.1	3216.0	3377.7	3400.1	0.0	3383.0
ITC-Arizona								
Children in category	Number	4,743	12	8	283	132	0	5,178
Percent reporting birthweight	%	46.5	25.0	25.0	29.0	34.8	0.0	45.1
Mean	Grams	3410.0	3175.2	3175.2	3379.9	3402.0	0.0	3408.3
Navajo Nation								
Children in category	Number	11,963	7	1	17	34	0	12,022
Percent reporting birthweight	%	98.4	100.0	100.0	100.0	91.2	0.0	98.4
Mean	Grams	3330.4	3952.8	3628.8	3175.2	3263.0	0.0	3330.4

Length of Enrollment in WIC for Women WIC Participants for Most Recent Pregnancy From First WIC Certification to April 30, 1994 by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
Northeast					
Maine					
Women in category	Number	2,455	1,063	2,691	6,209
Percent reporting first WIC participation	%	11.0	40.5	80.0	46.0
Mean	Weeks	9	15	14	13
Mode	Weeks	1	16	12	1
Massachusetts					
Women in category	Number	12,071	5,098	8,483	25,652
Percent reporting first WIC participation	%	100.0	99.9	100.0	100.0
Mean	Weeks	14	37	31	24
Mode	Weeks	8	37	38	8
New York					
Women in category	Number	61,732	23,225	20,067	105,024
Percent reporting first WIC participation	%	100.0	100.0	100.0	100.0
Mean	Weeks	16	15	12	15
Mode	Weeks	7	7	7	7
Rhode Island					
Women in category	Number	2,414	436	1,147	3,997
Percent reporting first WIC participation	%	94.1	93.6	94.1	94.0
Mean	Weeks	19	39	31	24
Mode	Weeks	5	39	42	3
Seneca Nation					
Women in category	Number	29	11	7	47
Percent reporting first WIC participation	%	100.0	100.0	100.0	100.0
Mean	Weeks	19	45	35	27
Mode	Weeks	*	55	*	*
Mid-Atlantic					
Pennsylvania					
Women in category	Number	22,633	6,873	21,277	50,783
Percent reporting first WIC participation	%	97.1	90.6	96.5	96.0
Mean	Weeks	14	34	28	22
Mode	Weeks	6	31	31	8
Virgin Islands					
Women in category	Number	503	345	63	911
Percent reporting first WIC participation	%	94.0	94.0	95.0	94.0
Mean	Weeks	10	8	7	9
Mode	Weeks	3	4	3	3

Exhibit G.12 (continued)

Length of Enrollment in WIC for Women WIC Participants for Most Recent Pregnancy From First WIC Certification to April 30, 1994 by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
Southeast					
Alabama					
Women in category	Number	18,134	2,144	3,245	23,523
Percent reporting first WIC participation	%	79.4	80.8	76.1	79.1
Mean	Weeks	19	39	33	23
Mode	Weeks	2	37	39	2
Midwest					
Illinois					
Women in category	Number	28,830	6,394	12,503	47,733
Percent reporting first WIC participation	%	100.0	99.5	98.9	99.6
Mean	Weeks	14	12	10	13
Mode	Weeks	3	4	3	3
Ohio					
Women in category	Number	27,744	6,801	21,190	55,735
Percent reporting first WIC participation	%	95.5	96.7	98.1	96.6
Mean	Weeks	16	35	29	23
Mode	Weeks	5	37	35	5
Southwest					
Chickasaw Nation					
Women in category	Number	205	71	172	448
Percent reporting first WIC participation	%	79.5	69.0	75.6	76.1
Mean	Weeks	20	38	26	25
Mode	Weeks	2	*	10	2
Choctaw Nation					
Women in category	Number	264	58	124	446
Percent reporting first WIC participation	%	77.3	77.6	76.6	77.1
Mean	Weeks	21	39	28	26
Mode	Weeks		2	1	2
Citizen-Potawatomi					
Women in category	Number	224	21	79	324
Percent reporting first WIC participation	%	82.6	85.7	83.5	83.0
Mean	Weeks	24	36	35	28
Mode	Weeks	16	19	24	17

Length of Enrollment in WIC for Women WIC Participants for Most Recent Pregnancy From First WIC Certification to April 30, 1994 by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
<i>Southwest continued</i>					
Pueblo of Zuni					
Women in category	Number	44	67	38	149
Percent reporting first WIC participation	%	100.0	100.0	100.0	100.0
Mean	Weeks	10	13	13	12
Mode	Weeks	15	1	*	15
WCD					
Women in category	Number	249	57	106	412
Percent reporting first WIC participation	%	100.0	100.0	100.0	100.0
Mean	Weeks	15	15	12	14
Mode	Weeks	12	11	7	7
<i>Mountain Plains</i>					
South Dakota					
Women in category	Number	2,004	901	1,523	4,428
Percent reporting first WIC participation	%	100.0	100.0	100.0	100.0
Mean	Weeks	15	23	22	19
Mode	Weeks	2	24	21	21
Wyoming					
Women in category	Number	1,262	655	801	2,718
Percent reporting first WIC participation	%	87.2	85.0	86.3	86.4
Mean	Weeks	21	39	33	29
Mode	Weeks	8	42	42	8

Exhibit G.12 (continued)

Length of Enrollment in WIC for Women WIC Participants for Most Recent Pregnancy From First WIC Certification to April 30, 1994 by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
Western					
Navajo Nation					
Women in category	Number	1,505	1,317	783	3,605
Percent reporting first WIC participation	%	99.9	99.2	99.9	99.7
Mean	Weeks	14	37	30	26
Mode	Weeks	*	40	30	14

Note

Multiple Modes by Participant category by State

Region or State	Category	Modes							
Seneca Nation	Pregnant Women	10	14						
Seneca Nation	Postpartum Women	19	24	29	34	41	45	54	
Seneca Nation	Total WIC Women	10	14						
Chickasaw Nation	Breastfeeding Women	34	56						
Choctaw Nation	Pregnant Women	5	6	15					
Pueblo of Zuni	Postpartum Women	4	20						
Western	Pregnant Women	7	14						
Navajo Nation	Pregnant Women	7	14						

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Length of Enrollment in WIC for Infant and Child WIC Participants from First WIC Certification to April 30, 1994 by Age and by State

Region and State		Infants				Children				Age Not Reported		Total
		0-5 Months	6-11 Months	Age Not Reported	Total	1 Year	2 Years	3 Years	4 Years			
Northeast												
Maine												
Participants in category	Number	5,349	293	27	5,669	6,225	4,221	3,798	2,857	30	17,131	
Percent reporting first WIC certification	%	42.0	12.6	14.8	40.3	8.7	8.9	10.1	42.7	10.0	14.8	
Mean	weeks	14	10	28	14	12	12	12	12	62	12	
Mode	weeks	11	2	*	11	3	3	3	3	*	3	
Massachusetts												
Participants in category	Number	28,685	723	20	29,428	23,177	19,259	17,790	11,675	2	71,903	
Percent reporting first WIC certification	%	100.0	99.9	90.0	100.0	99.9	99.9	99.8	99.9	100.0	99.9	
Mean	weeks	25	13	31	25	71	107	134	145	136	108	
Mode	weeks	8	6	*	*	60	121	182	234	136	60	
New York												
Participants in category	Number	108,638	40,895	360	149,893	86,253	68,198	57,997	35,881	25	248,354	
Percent reporting first WIC certification	%	98.8	98.9	94.2	98.8	99.2	99.4	99.5	99.6	52.0	99.4	
Mean	weeks	23	47	52	30	71	99	119	137	42	100	
Mode	weeks	7	52	63	7	76	134	181	233	*	76	
Rhode Island												
Participants in category	Number	2,767	1,888	5	4,660	4,736	2,741	2,287	1,666	4	11,434	
Percent reporting first WIC certification	%	99.8	99.9	60.0	99.8	99.9	99.9	100.0	100.0	0.0	99.9	
Mean	weeks	12	35	10	22	65	98	99	107	N/A	86	
Mode	weeks	7	30	*	30	60	118	118	118	N/A	61	
Seneca Nation												
Participants in category	Number	34	25	0	59	61	51	39	32	8	191	
Percent reporting first WIC certification	%	97.1	96.0	0.0	96.6	96.7	100.0	94.9	93.8	87.5	96.3	
Mean	weeks	17	36	N/A	25	72	129	167	218	130	133	
Mode	weeks	*	35	N/A	24	*	*	*	*	*	*	

Exhibit G.13 (continued)

Length of Enrollment in WIC for Infant and Child WIC Participants from First WIC Certification to April 30, 1994 by Age and by State

Region and State		Infants				Children					Total
		0-5 Months	6-11 Months	Age Not Reported		1 Year	2 Years	3 Years	4 Years	Age Not Reported	
Mid-Atlantic											
Pennsylvania											
Participants in category	Number	62,011	1,314	0	63,325	63,180	41,876	38,054	26,909	7	168,026
Percent reporting first WIC certification	%	99.8	99.8	0.0	99.8	47.9	22.8	25.1	24.4	71.4	33.0
Mean	weeks	23	17	N/A	23	49	30	31	32	53	41
Mode	weeks	13	8	N/A	13	53	*	2	27	62	53
Virgin Islands											
Participants in category	Number	830	566	40	1,436	1,204	1,028	885	607	84	3,808
Percent reporting first WIC certification	%	99.9	99.8	2.5	97.1	99.8	99.9	100.0	99.8	0.0	97.7
Mean	weeks	11	8	4	10	10	10	11	11	N/A	10
Mode	weeks	12	3	4	3	3	14	12	14	N/A	14
Southeast											
Alabama											
Participants in category	Number	26,588	428	3	27,019	35,282	15,400	12,075	5,291	81	68,129
Percent reporting first WIC certification	%	99.4	100.0	100.0	99.5	99.8	99.9	100.0	100.0	98.8	99.9
Mean	weeks	18	17	20	18	64	120	161	189	96	104
Mode	weeks	17	3	*	17	42	138	185	233	64	42
Midwest											
Illinois											
Participants in category	Number	75,140	3,026	65	78,231	47,416	32,559	25,541	15,083	3	120,602
Percent reporting first WIC certification	%	100.0	99.7	100.0	100.0	99.8	99.7	99.7	99.8	100.0	99.8
Mean	weeks	24	34	33	25	70	108	135	160	86	105
Mode	weeks	16	3	48	6	59	130	187	218	*	59
Ohio											
Participants in category	Number	33,189	25,754	4,990	63,933	47,891	29,454	25,201	16,474	14,266	133,286
Percent reporting first WIC certification	%	100.0	100.0	78.4	98.3	100.0	100.0	100.0	100.0	94.5	99.4
Mean	weeks	12	36	31	23	67	87	96	104	102	85
Mode	weeks	14	30	26	14	65	134	5	5	26	66

Length of Enrollment in WIC for Infant and Child WIC Participants from First WIC Certification to April 30, 1994 by Age and by State

Region and State		Infants			Children					Age Not Reported		Total
		0-5 Months	6-11 Months	Age Not Reported	Total	1 Year	2 Years	3 Years	4 Years			
Southwest												
Chickasaw Nation												
Participants in category	Number	535	14	1	550	433	294	280	158	0	1,165	
Percent reporting first WIC certification	%	99.8	100.0	100.0	99.8	100.0	99.3	99.6	99.4	0.0	99.7	
Mean	weeks	23	14	37	23	69	106	141	162	N/A	108	
Mode	weeks	*	*	37	17	69	*	*	*	N/A	11	
Choctaw Nation												
Participants in category	Number	450	8	11	469	624	369	369	207	17	1,586	
Percent reporting first WIC certification	%	98.4	100.0	100.0	98.5	96.5	95.7	97.8	66.7	100.0	92.7	
Mean	weeks	20	5	11	20	65	115	160	148	59	108	
Mode	weeks	18	*	5	*	52	*	195	229	77	52	
Citizen-Potawatomi												
Participants in category	Number	399	29	2	430	241	144	141	86	8	620	
Percent reporting first WIC certification	%	99.7	100.0	100.0	99.8	98.8	99.3	99.3	98.8	100.0	99.0	
Mean	weeks	30	31	39	30	70	106	123	152	64	102	
Mode	weeks	32	8	*	*	82	17	190	225	*	17	
Pueblo of Zuñi												
Participants in category	Number	137	5	6	148	203	152	121	91	3	570	
Percent reporting first WIC certification	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	66.7	99.6	
Mean	weeks	24	44	30	25	14	12	12	10	11	12	
Mode	weeks	35	54	*	35	20	15	16	15	*	15	
WCD												
Participants in category	Number	470	8	2	480	367	296	251	160	8	1,082	
Percent reporting first WIC certification	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	25.0	99.4	
Mean	weeks	26	10	32	26	14	13	13	12	66	13	
Mode	weeks	*	*	*	*	6	7	3	6	*	7	

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Exhibit G.13 (continued)

Length of Enrollment in WIC for Infant and Child WIC Participants from First WIC Certification to April 30, 1994 by Age and by State

Region and State		Infants				Children					Total
		0-5 Months	6-11 Months	Age Not Reported	Total	1 Year	2 Years	3 Years	4 Years	Age Not Reported	
Mountain Plains											
South Dakota											
Participants in category	Number	2,866	1,681	2	4,549	3,864	2,967	2,569	1,917	1	11,318
Percent reporting first WIC certification	%	99.9	99.9	100.0	99.9	99.9	100.0	100.0	99.9	100.0	100.0
Mean	weeks	16	26	2	19	24	23	23	23	25	23
Mode	weeks	21	*	*	21	21	16	24	28	25	28
Wyoming											
Participants in category	Number	1,327	978	189	2,494	1,974	1,455	1,182	832	449	5,892
Percent reporting first WIC certification	%	99.5	99.7	89.4	98.8	99.4	99.8	99.7	88.6	95.5	97.7
Mean	weeks	16	36	33	25	61	91	97	92	94	82
Mode	weeks	*	34	26	26	65	125	30	30	78	61
Western											
Oregon											
Participants in category	Number	12,035	3,312	427	15,774	18,925	9,946	7,354	3,862	1,502	41,589
Percent reporting first WIC certification	%	99.9	100.0	99.5	99.9	99.9	99.9	99.9	100.0	100.0	99.9
Mean	weeks	18	30	18	20	65	102	110	107	90	87
Mode	weeks	15	33	25	2	50	136	189	32	50	50
Navajo Nation											
Participants in category	Number	3,681	207	9	3,897	3,726	3,178	2,921	2,186	11	12,022
Percent reporting first WIC certification	%	99.9	100.0	100.0	99.9	99.8	99.7	99.9	99.6	100.0	99.8
Mean	weeks	25	24	23	25	59	86	106	126	89	90
Mode	weeks	7	4	7	7	59	121	14	223	*	60

Notes

An infant is defined as a participant who is under one year of age and who would be classified as a child at the age of 366 days. Age in this table is calculated using birthdate and April 30, 1994.

Length of Enrollment in WIC for Infant and Child WIC Participants from First WIC Certification to April 30, 1994 by Age and by State

Notes (continued)

Multiple Modes for Infants by Participant Category by State

Region or State	Age								
Maine	Age Not Reported	13	18	20	62				
Massachusetts	Age Not Reported	24	32	34	39				
Massachusetts	Total	6	8						
Rhode Island	Age Not Reported	8	10	13					
Seneca Nation	0-5 Months	4	24						
Alabama	Age Not Reported	6	19	36					
Chickasaw Nation	0-5 Months	17	32						
Chickasaw Nation	6-11 Months	1	9	11					
Choctaw Nation	6-11 Months	6	7						
Choctaw Nation	Total	2	18						
Citizen-Potawatomi	Age Not Reported	32	46						
Citizen-Potawatomi	Total	17	32						
Pueblo of Zuñi	Age Not Reported	13	26	27	33	40	46		
WCD	0-5 Months	22	30						
WCD	6-11 Months	2	3	4	7	10	15	19	26
WCD	Age Not Reported	8	56						
WCD	Total	22	30						
South Dakota	6-11 Months	30	34						
South Dakota	Age Not Reported	1	3						
Wyoming	0-5 Months	8	13						

Multiple Modes for Children by Participant Category by State

Region or State	Age																		
Maine	Age Not Reported	50	58	79															
New York	Age Not Reported	1	2	49															
Seneca Nation	1 Years	60	71																
Seneca Nation	2 Years	110	144																
Seneca Nation	3 Years	164	173	198	204														
Seneca Nation	4 Years	248	261																
Seneca Nation	Age Not Reported	47	53	131	132	133	158	262											
Seneca Nation	Total	60	71																
Pennsylvania	2 Years	6	24																
Illinois	Age Not Reported	26	89	145															
Chickasaw Nation	2 Years	119	137	149	153														
Chickasaw Nation	3 Years	173	194	197	201														
Chickasaw Nation	4 Years	206	233	242															
Choctaw Nation	2 Years	130	143	146	148	149													
Citizen-Potawatomi	Age Not Reported	11	15	39	46	64	69	87	182										
Pueblo of Zuñi	Age Not Reported	2	20																
WCD	Age Not Reported	66	67																
Navajo Nation	Age Not Reported	23	24	27	46	76	81	82	94	140	149	241							

Exhibit G.14

Source of Health Care for Current or Most Recent Pregnancy for Women WIC Participants by Participant Category by State

Region and State	Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
	Percent by source of care			
Northeast				
Maine				
Private physician or HMO	2,455	1,063	2,691	6,209
Health clinic associated with WIC	74.8	74.7	76.3	75.5
Hospital or non-WIC clinic	0.0	0.0	0.0	0.0
Other (including midwives)	16.5	13.9	15.5	15.6
No care received	5.3	7.9	3.8	5.1
Source not reported	1.6	0.8	1.5	1.4
Massachusetts				
Private physician or HMO	12,071	5,098	8,483	25,652
Health clinic associated with WIC	47.8	49.9	59.2	52.0
Hospital or non-WIC clinic	0.0	0.0	0.0	0.0
Other (including midwives)	16.6	17.5	13.3	15.7
No care received	34.2	30.9	26.3	31.0
Source not reported	1.1	1.3	0.8	1.0
New York				
Private physician or HMO	61,732	23,225	20,067	105,024
Health clinic associated with WIC	45.9	55.2	54.4	49.6
Hospital or non-WIC clinic	0.0	0.0	0.0	0.0
Other (including midwives)	0.0	0.0	0.0	0.0
No care received	0.0	0.0	0.0	0.0
Source not reported	0.0	0.0	0.0	0.0
Rhode Island				
Private physician or HMO	2,414	436	1,147	3,997
Health clinic associated with WIC	27.3	44.5	39.0	32.5
Hospital or non-WIC clinic	46.4	39.2	41.5	44.2
Other (including midwives)	25.2	11.0	18.0	21.6
No care received	0.9	4.6	1.3	1.4
Source not reported	0.2	0.2	0.3	0.2
Seneca Nation				
Private physician or HMO	29	11	7	47
Health clinic associated with WIC	6.9	0.0	0.0	4.3
Hospital or non-WIC clinic	82.8	72.7	85.7	80.9
Other (including midwives)	0.0	0.0	0.0	0.0
No care received	0.0	0.0	0.0	0.0
Source not reported	0.0	0.0	0.0	0.0

Source of Health Care for Current or Most Recent Pregnancy for Women WIC Participants by Participant Category by State

Region and State	Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
	Percent by source of care			
Midwest				
Illinois				
Private physician or HMO	28,836	6,394	12,503	47,733
Health clinic associated with WIC	53.6	61.5	64.0	57.4
Hospital or non-WIC clinic	36.6	26.0	22.9	31.6
Other (including midwives)	6.4	7.2	9.5	7.3
No care received	0.3	1.3	0.5	0.5
Source not reported	2.6	3.6	2.7	2.8
Indiana				
Private physician or HMO	14,538	4,376	15,841	34,755
Health clinic associated with WIC	52.3	69.4	63.6	59.6
Hospital or non-WIC clinic	10.1	8.2	9.2	9.5
Other (including midwives)	12.3	9.0	12.7	12.1
No care received	0.5	1.0	0.7	0.6
Source not reported	24.3	10.8	12.6	17.3
Ohio				
Private physician or HMO	27,744	6,801	21,190	55,735
Health clinic associated with WIC	49.2	63.5	56.4	53.7
Hospital or non-WIC clinic	11.6	7.1	8.2	9.7
Other (including midwives)	36.7	26.8	33.4	34.2
No care received	1.1	1.1	0.9	1.0
Source not reported	1.5	1.4	1.1	1.3

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Exhibit G.14 (continued)

Source of Health Care for Current or Most Recent Pregnancy for Women WIC Participants by Participant Category by State

Region and State	Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
	Percent by source of care			
Southwest				
Chickasaw Nation				
Private physician or HMO	205	71	172	448
Health clinic associated with WIC	34.6	40.8	57.6	44.4
Hospital or non-WIC clinic	55.6	57.7	36.0	48.4
Other (including midwives)	0.0	0.0	0.6	0.2
No care received	0.0	0.0	0.0	0.0
Source not reported	2.4	0.0	1.2	1.6
WCD				
Private physician or HMO	249	57	106	412
Health clinic associated with WIC	0.0	0.0	0.0	0.0
Hospital or non-WIC clinic	0.0	0.0	0.0	0.0
Other (including midwives)	100.0	100.0	100.0	100.0
No care received	0.0	0.0	0.0	0.0
Source not reported	0.0	0.0	0.0	0.0
Mountain Plains				
Iowa				
Private physician or HMO	5,716	1,686	4,481	11,883
Health clinic associated with WIC	2.9	2.7	3.3	3.0
Hospital or non-WIC clinic	0.1	0.0	0.0	0.0
Other (including midwives)	0.0	0.0	0.1	0.0
No care received	1.3	1.1	0.9	1.1
Source not reported	1.2	1.8	1.7	1.5
Utah				
Private physician or HMO	6,654	5,213	4,699	16,566
Health clinic associated with WIC	69.6	77.9	78.9	74.8
Hospital or non-WIC clinic	5.9	4.0	5.8	5.3
Other (including midwives)	3.2	3.9	4.9	3.9
No care received	7.6	9.3	5.1	7.4
Source not reported	10.8	2.9	3.0	6.1
Wyoming				
Private physician or HMO	1,262	655	801	2,718
Health clinic associated with WIC	91.6	93.0	94.1	92.7
Hospital or non-WIC clinic	0.0	0.0	0.0	0.0
Other (including midwives)	0.0	0.0	0.0	0.0
No care received	0.5	0.6	0.0	0.4
Source not reported	7.9	6.4	5.9	7.0

Source of Health Care for Current or Most Recent Pregnancy for Women WIC Participants by Participant Category by State

Region and State	Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
			Percent by source of care	
Western				
Navajo Nation				
Private physician or HMO	1,505	1,317	783	3,605
Health clinic associated with WIC	2.9	3.6	4.1	3.4
Hospital or non-WIC clinic	2.0	1.4	0.4	1.4
Other (including midwives)	89.8	75.2	78.8	82.1
No care received	0.1	0.3	0.0	0.2
Source not reported	5.1	19.4	16.6	12.8

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Exhibit G.15

Start of Prenatal Care by Trimester of Current Pregnancy for Pregnant Women WIC Participants by State

Region and State	Trimester								Total WIC Pregnant Women Number
	First Number	Percent	Second Number	Percent	Third Number	Percent	Not Reported Number	Percent	
Northeast									
Maine	649	26.4	1,666	67.9	76	3.1	64	2.6	2,455
Massachusetts	10,638	88.1	1,021	8.5	119	1.0	293	2.4	12,071
Seneca Nation	11	37.9	4	13.8	0	0.0	14	48.3	29
Mid-Atlantic									
New Jersey	9,886	65.7	3,412	22.7	320	2.1	1,438	9.6	15,056
West Virginia	4,848	67.8	1,220	17.1	105	1.5	977	13.7	7,150
Southeast									
North Carolina	9,991	40.7	4,198	17.1	538	2.2	9,842	40.1	24,569
Eastern Band-Cherokee	2	2.5	0	0.0	0	0.0	77	97.5	79
Southwest									
Chickasaw Nation	94	45.9	17	8.3	2	1.0	92	44.9	205
WCD	98	39.4	57	22.9	6	2.4	88	35.3	249
Mountain Plains									
Utah	4,791	72.0	748	11.2	35	0.5	1,080	16.2	6,654
Wyoming	777	61.6	176	13.9	29	2.3	280	22.2	1,262
Western									
Alaska	1,298	64.2	331	16.4	17	0.8	376	18.6	2,022
Idaho	2,047	53.9	549	14.4	55	1.4	1,150	30.3	3,801
Navajo Nation	914	60.7	416	27.6	83	5.5	92	6.1	1,505

Notes

Not reported indicates the number and percent of pregnant women for whom no data were reported on start of prenatal care, weeks gestation, expected date of delivery or certification date.

Data on trimester are not available for breastfeeding and postpartum women.

First trimester = 0-93 days, second trimester = 94-187 days, third trimester = 188-325 days.

Years of Education Reported by Women WIC Participants by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
Northeast					
Maine					
Women in category	Number	2,455	1,063	2,691	6,209
Percent reporting education	%	99.3	99.3	99.7	99.7
Median	years	12	12	12	12
Mode	years	12	12	12	12
Massachusetts					
Women in category	Number	12,071	5,098	8,483	25,652
Percent reporting education	%	97.4	97.3	96.7	97.2
Median	years	12	12	12	12
Mode	years	12	12	12	12
Seneca Nation					
Women in category	Number	29	11	7	47
Percent reporting education	%	82.8	100.0	100.0	89.4
Median	years	12	13	12	12
Mode	years	12	12	12	12
Southeast					
Alabama					
Women in category	Number	18,134	2,144	3,245	23,523
Percent reporting education	%	76.0	72.9	73.2	75.3
Median	years	12	12	11	12
Mode	years	12	12	12	12
Florida					
Women in category	Number	49,500	9,529	21,923	80,952
Percent reporting education	%	90.6	91.5	91.8	91.0
Median	years	12	12	12	12
Mode	years	12	12	12	12

Exhibit G.16 (continued)

Years of Education Reported by Women WIC Participants by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
Midwest					
Illinois					
Women in category	Number	28,836	6,394	12,503	47,733
Percent reporting education	%	97.2	96.6	97.9	97.3
Median	years	12	12	12	12
Mode	years	12	12	12	12
Indiana					
Women in category	Number	14,538	4,376	15,841	34,755
Percent reporting education	%	96.8	97.3	98.4	97.6
Median	years	12	12	12	12
Mode	years	12	12	12	12
Minnesota					
Women in category	Number	3,154	3,016	5,210	17,380
Percent reporting education	%	92.9	86.0	83.5	88.9
Median	years	12	12	12	12
Mode	years	12	12	12	12
Ohio					
Women in category	Number	27,744	6,801	21,190	55,735
Percent reporting education	%	98.7	98.1	98.6	98.6
Median	years	12	12	12	12
Mode	years	12	12	12	12

Years of Education Reported by Women WIC Participants by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
<i>Southwest</i>					
Chickasaw Nation					
Women in category	Number	205	71	172	448
Percent reporting education	%	83.9	84.5	90.7	86.6
Median	years	12	12	12	12
Mode	years	12	12	12	12
WCD					
Women in category	Number	249	57	106	412
Percent reporting education	%	100.0	100.0	100.0	100.0
Median	years	12	12	12	12
Mode	years	12	12	12	12

Exhibit G.16 (continued)

Years of Education Reported by Women WIC Participants by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
Mountain Plains					
Iowa					
Women in category	Number	5,716	1,686	4,481	11,883
Percent reporting education	%	4.0	6.5	4.5	4.6
Median	years	12	12	12	12
Mode	years	12	12	12	12
Kansas					
Women in category	Number	6,122	2,674	4,745	13,541
Percent reporting education	%	96.6	91.8	88.7	92.9
Median	years	12	12	12	12
Mode	years	12	12	12	12
Missouri					
Women in category	Number	15,380	5,459	15,520	36,359
Percent reporting education	%	100.0	100.0	100.0	100.0
Median	years	12	12	12	12
Mode	years	12	12	12	12
Nebraska					
Women in category	Number	3,334	1,344	2,373	7,051
Percent reporting education	%	95.4	92.9	93.8	94.4
Median	years	12	12	12	12
Mode	years	12	12	12	12
Utah					
Women in category	Number	6,654	5,213	4,699	16,566
Percent reporting education	%	95.2	96.3	95.8	95.7
Median	years	12	12	12	12
Mode	years	12	12	12	12
Wyoming					
Women in category	Number	1,262	655	801	2,718
Percent reporting education	%	99.7	99.8	99.9	99.8
Median	years	12	12	12	12
Mode	years	12	12	12	12

Years of Education Reported by Women WIC Participants by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total WIC Women
Western					
Alaska					
Women in category	Number	2,022	1,314	555	3,891
Percent reporting education	%	94.3	94.8	94.4	94.5
Median	years	12	12	12	12
Mode	years	12	12	12	12
Arizona					
Women in category	Number	12,166	6,231	5,938	24,335
Percent reporting education	%	98.2	93.0	92.2	95.4
Median	years	11	12	11	11
Mode	years	12	12	12	12
Navajo Nation					
Women in category	Number	1,505	1,317	783	3,605
Percent reporting education	%	100.0	100.0	100.0	100.0
Median	years	12	12	12	12
Mode	years	12	12	12	12

Exhibit G.17
Distribution of Total Number of Pregnancies for Pregnant Women WIC Participants by State

Region and State	Pregnancies												Mean Number	Total Pregnant WIC Women Number
	One		Two		Three		Four		Five or more		Not Reported			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Northeast														
Maine	682	27.8	423	17.2	212	8.6	114	4.6	112	4.6	912	37.1	2.1	2,455
Massachusetts	3,084	25.5	2,922	24.2	2,216	18.4	1,405	11.6	1,870	15.5	574	4.8	2.7	12,071
Rhode Island	187	7.7	123	5.1	93	3.9	51	2.1	816	33.8	1,144	47.4	3.9	2,414
Vermont	441	29.7	435	29.3	297	20.0	149	10.0	164	11.0	0	0.0	2.4	1,486
Seneca Nation	6	20.7	10	34.5	4	13.8	5	17.2	2	6.9	2	6.9	2.5	29
Mid-Atlantic														
District of Columbia	623	32.6	412	21.6	357	18.7	233	12.2	285	14.9	1	0.1	2.6	1,911
Maryland	0	0.0	2,351	38.6	1,668	27.4	959	15.7	1,111	18.2	0	0.0	3.1	6,089
Virgin Islands	186	37.0	108	21.5	84	16.7	57	11.3	65	12.9	3	0.6	2.4	24,847
Southeast														
Alabama	7,664	42.3	5,012	27.6	2,905	16.0	1,473	8.1	1,073	5.9	7	0.0	2.1	67,646
Florida	14,275	28.8	11,558	23.3	7,549	15.3	4,386	8.9	4,826	9.7	6,906	14.0	2.4	18,134
Seminole Tribe	5	41.7	2	16.7	3	25.0	1	8.3	1	8.3	0	0.0	2.3	49,500
Midwest														
Illinois	10,137	35.2	7,445	25.8	4,871	16.9	2,898	10.0	3,457	12.0	28	0.1	2.4	95,350
Indiana	5,421	37.3	4,024	27.7	2,487	17.1	1,332	9.2	1,244	8.6	30	0.2	2.2	28,836
Minnesota	2,550	27.9	2,343	25.6	1,645	18.0	1,014	11.1	1,433	15.7	169	1.8	2.6	15,078
Ohio	9,000	32.4	7,614	27.4	4,850	17.5	2,760	9.9	2,925	10.5	595	2.1	2.4	9,154

Distribution of Total Number of Pregnancies for Pregnant Women WIC Participants by State

Region and State	Pregnancies												Mean Number	Total Pregnant WIC Women Number
	One		Two		Three		Four		Five or more		Not Reported			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Southwest														
Cherokee Nation	297	37.3	216	27.1	150	18.8	63	7.9	64	8.0	6	0.8	2.2	78,052
Chickasaw Nation	75	36.6	69	33.7	24	11.7	14	6.8	17	8.3	6	2.9	2.1	796
Choctaw Nation	96	36.4	82	31.1	39	14.8	23	8.7	13	4.9	11	4.2	2.1	205
Citizen-Potawatomi	122	54.5	51	22.8	22	9.8	15	6.7	14	6.3	0	0.0	1.9	264
Otoe-Missouria	11	14.3	16	20.8	8	10.4	2	2.6	3	3.9	37	48.1	2.3	224
WCD	0	0.0	1	0.4	0	0.0	0	0.0	1	0.4	247	99.2	3.5	77
Mountain Plains														
Iowa	75	1.3	49	0.9	52	0.9	21	0.4	21	0.4	5,498	96.2	2.4	40,472
Kansas	1,910	31.2	1,698	27.7	1,105	18.0	667	10.9	633	10.3	109	1.8	2.4	5,716
Missouri	5,698	37.0	4,208	27.4	2,648	17.2	1,430	9.3	1,315	8.6	81	0.5	2.2	6,122
Nebraska	1,039	31.2	901	27.0	607	18.2	341	10.2	365	10.9	81	2.4	2.4	15,380
Utah	2,175	32.7	1,677	25.2	1,094	16.4	664	10.0	962	14.5	82	1.2	2.5	3,334
Wyoming	470	37.2	339	26.9	216	17.1	125	9.9	112	8.9	0	0.0	2.3	6,654
Western														
Alaska	451	22.3	349	17.3	209	10.3	141	7.0	217	10.7	655	32.4	2.5	15,693
Arizona	3,918	32.2	3,078	25.3	2,186	18.0	1,306	10.7	1,503	12.4	175	1.4	2.4	2,022
Navajo Nation	295	19.6	237	15.7	196	13.0	126	8.4	203	13.5	448	29.8	2.7	12,166

Notes

Total number of pregnancies includes current pregnancy.

Gravidity is the term applied to total number of pregnancies; parity refers to total number of live births.

Exhibit G.18

Distribution of Total Number of Live Births for Pregnant Women WIC Participants by State

Region and State	Live Births															Total Pregnant WIC Women Number
	Zero		One		Two		Three		Four		Five or more		Not Reported		Mean	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	
<i>Northeast</i>																
Maine	1,120	45.6	756	30.8	366	14.9	132	5.4	39	1.6	31	1.3	11	0.4	0.9	2,455
Massachusetts	4,591	38.0	3,491	28.9	1,945	16.1	873	7.2	312	2.6	211	1.7	648	5.4	1.1	12,071
Rhode Island	756	31.3	214	8.9	122	5.1	52	2.2	21	0.9	535	22.2	714	29.6	2.0	2,414
Seneca Nation	5	17.2	7	24.1	5	17.2	4	13.8	1	3.4	0	0.0	7	24.1	1.5	29
<i>Mid-Atlantic</i>																
Maryland	1,040	17.1	2,795	45.9	1,358	22.3	535	8.8	205	3.4	138	2.3	18	0.3	1.4	6,089
<i>Southeast</i>																
Florida	25,082	50.7	12,837	25.9	6,754	13.6	2,876	5.8	1,117	2.3	832	1.7	2	0.0	0.9	49,500
<i>Midwest</i>																
Illinois	10,580	36.7	7,710	26.7	4,317	15.0	1,922	6.7	851	3.0	651	2.3	2,805	9.7	1.1	28,836
Indiana	6,640	45.7	4,352	29.9	2,151	14.8	864	5.9	281	1.9	154	1.1	96	0.7	0.9	14,538
Ohio	11,562	41.7	8,076	29.1	4,104	14.8	1,667	6.0	615	2.2	440	1.6	1,280	4.6	1.0	27,744
<i>Southwest</i>																
WCD	3	1.2	2	0.8	0	0.0	0	0.0	0	0.0	1	0.4	243	97.6	1.2	249
<i>Mountain Plains</i>																
Iowa	89	1.6	59	1.0	48	0.8	12	0.2	8	0.1	2	0.0	5,498	96.2	1.1	5,716
Missouri	7,159	46.5	4,532	29.5	2,330	15.1	873	5.7	296	1.9	186	1.2	4	0.0	0.9	15,380
Wyoming	570	45.2	391	31.0	186	14.7	71	5.6	28	2.2	14	1.1	2	0.2	0.9	1,262
<i>Western</i>																
Alaska	195	9.6	523	25.9	334	16.5	152	7.5	78	3.9	84	4.2	656	32.4	1.7	2,022
Arizona	4,629	38.0	3,438	28.3	2,006	16.5	1,025	8.4	394	3.2	275	2.3	399	3.3	1.1	12,166
Navajo Nation	509	33.8	309	20.5	244	16.2	206	13.7	105	7.0	132	8.8	0	0.0	1.7	1,505

Notes

Total number of pregnancies includes current pregnancy

Gravidity is the term applied to total number of pregnancies; parity refers to total number of live births

Exhibit G.19

Number and Percent of WIC Infants by Trimester of Mother's Enrollment in the WIC Program by State

Region and State	Trimester										Total WIC Infants Number	Mean WIC Participation in Weeks
	First		Second		Third		Not on WIC		Not Reported			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Northeast												
Massachussets	4,866	16.5	9,712	33.0	5,134	17.4	8,763	29.8	953	3.2	29,428	13.47
Seneca Nation	0	0.0	1	1.7	5	8.5	2	3.4	51	86.4	59	7.63
	4,878	4.7	6,677	6.4	4,573	4.4	6,704	6.4	81,189	78.1	104,021	15.24
Midwest												
Wisconsin	4,878	18.9	6,677	25.9	4,573	17.7	6,704	26.0	2,958	11.5	25,790	15.24
	3,387	19.9	3,426	20.1	8,951	52.5	0	0.0	1,288	7.6	17,052	14.06
Southwest												
Arkansas	3,275	20.6	3,309	20.8	8,898	56.1	0	0.0	392	2.5	15,874	13.89
Chickasaw Nation	83	15.1	46	8.4	33	6.0	0	0.0	388	70.5	550	24.90
Pueblo of Zuñi	0	0.0	20	13.5	0	0.0	0	0.0	128	86.5	148	26.00
WCD	29	6.0	51	10.6	20	4.2	0	0.0	380	79.2	480	20.52
	1,787	25.4	0	0.0	180	2.6	435	6.2	4,641	65.9	7,043	20.61
Mountain Plains												
Wyoming	1,787	71.7	0	0.0	180	7.2	435	17.4	92	3.7	2,494	20.61
	586	5.5	1,252	11.8	1,071	10.1	0	0.0	7,715	72.6	10,624	17.94
Western												
Navajo Nation	586	15.0	1,252	32.1	1,071	27.5	0	0.0	988	25.4	3,897	17.94

Note

An infant is defined as a participant who is under one year of age and who would be classified as a child at the age of 366 days.

First trimester = 0-93 days, second trimester = 94-187 days, third trimester = 188-325 days.

Exhibit G.20

Short Stature at Birth Among WIC Infants and Children by State Number and Percent Below 5th Percentile for Birth Length

Region and State	Infants					Children				
	Below 5th Percentile		Not Reported		Total Number	Below 5th Percentile		Not Reported		Total Number
	Number	Percent	Number	Percent		Number	Percent	Number	Percent	
Northeast										
Maine	357	6.3	201	3.5	5,669	859	5.0	4,999	29.2	17,131
Massachusetts	2,570	8.7	1,871	6.4	29,428	4,201	5.8	24,122	33.5	71,903
New York	10,838	7.2	22,424	15.0	149,893	13,525	5.4	95,136	38.3	248,354
Rhode Island	233	5.0	2,274	48.8	4,660	412	3.6	8,024	70.2	11,434
Vermont	262	8.9	223	7.6	2,946	1,198	12.7	1,712	18.2	9,416
Seneca Nation	4	6.8	18	30.5	59	5	2.6	96	50.3	191
Mid-Atlantic										
District of Columbia	886	13.9	721	11.4	6,352	1,168	11.5	1,840	18.1	10,162
Pennsylvania	7,391	11.7	651	1.0	63,325	13,796	8.2	42,556	25.3	168,026
Virgin Islands	95	6.6	414	28.8	1,436	305	8.0	1,246	32.7	3,808
Southeast										
Alabama	2,733	10.1	2,790	10.3	27,019	4,914	7.2	27,766	40.8	68,129
Midwest										
Illinois	11,241	14.4	7,850	10.0	78,231	5,871	4.9	83,424	69.2	120,602
Ohio	9,974	15.6	6,465	10.1	63,933	11,495	8.6	59,095	44.3	133,286
Southwest										
Pueblo of Zuñi	10	6.8	6	4.1	148	2	0.4	565	99.1	570
Mountain Plains										
Kansas	1,684	11.3	566	3.8	14,871	2,646	8.5	5,171	16.7	31,021
Western										
Arizona	2,789	9.3	1,410	4.7	30,034	3,379	9.0	5,375	14.3	37,601
Idaho	490	7.3	483	7.2	6,727	1,180	6.1	4,149	21.3	19,445
Oregon	821	5.2	4,998	31.7	15,774	1,756	4.2	19,379	46.6	41,589
ITC-Arizona	149	7.4	285	14.1	2,017	156	3.0	3,081	59.5	5,178
Navajo Nation	313	8.0	211	5.4	3,897	851	7.1	1,131	9.4	12,022

Notes

An infant is defined as a participant who is under one year of age and who would be classified as a child at the age of 366 days.

Percentiles are calculated using software for pediatric anthropometry developed by the Centers for Disease Control and the World Health Organization.

See: Sullivan H. and J. Gorstein. December 1990. *ANTHRO: Software for Calculating Pediatric Anthropometry* Version 1.01.

Exhibit G.21

Number of Household Members Receiving WIC Benefits by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total Women	Infants	Children	Total WIC
<i>Northeast</i>								
Maine								
Number in category	Number	2,455	1,063	2,691	6,209	5,669	17,131	29,009
Percent reporting	%	92.1	85.8	87.2	88.9	83.3	82.1	83.8
Mean	Number	2	1	1	1	1	1	1
Mode	Number	2	2	1	2	1	1	1
Seneca Nation								
Number in category	Number	29	11	7	47	59	191	297
Percent reporting	%	37.9	81.8	85.7	55.3	76.3	84.3	78.1
Mean	Number	1	2	2	2	2	1	1
Mode	Number	1	2	*	2	1	1	1
<i>Mid-Atlantic</i>								
West Virginia								
Number in category	Number	7,150	1,258	1,959	10,367	14,395	26,226	50,988
Percent reporting	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mean	Number	1	2	2	1	1	1	1
Mode	Number	1	2	2	2	1	1	1

Exhibit G.21 (continued)

Number of Household Members Receiving WIC Benefits by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total Women	Infants	Children	Total WIC
<i>Southwest</i>								
Chickasaw Nation								
Number in category	Number	205	71	172	448	550	1,165	2,163
Percent reporting	%	100.0	100.0	100.0	100.0	99.6	99.9	99.9
Mean	Number	1	2	2	1	2	1	1
Mode	Number	1	2	2	2	2	1	2
Choctaw Nation								
Number in category	Number	264	58	124	446	469	1,586	2,501
Percent reporting	%	100.0	100.0	100.0	100.0	100.0	99.8	99.9
Mean	Number	3	3	3	3	3	4	3
Mode	Number	3	3	4	3	3	4	4
Citizen-Potawatomi								
Number in category	Number	224	21	79	324	430	620	1,374
Percent reporting	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mean	Number	1	2	2	1	2	1	1
Mode	Number	1	2	2	1	2	1	2
Pueblo of Zuni								
Number in category	Number	44	67	38	149	148	570	867
Percent reporting	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mean	Number	6	6	6	6	6	6	6
Mode	Number	4	6	6	6	6	7	6
WCD								
Number in category	Number	249	57	106	412	480	1,082	1,974
Percent reporting	%	88.4	96.5	96.2	91.5	96.3	99.0	96.8
Mean	Number	1	2	2	1	2	1	1
Mode	Number	1	2	2	1	2	1	2
<i>Mountain Plains</i>								
Wyoming								
Number in category	Number	1,262	655	801	2,718	2,494	5,892	11,104
Percent reporting	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mean	Number	1	2	2	2	2	1	1
Mode	Number	1	2	2	2	2	2	2

Exhibit G.21 (continued)

Number of Household Members Receiving WIC Benefits by Participant Category by State

Region and State		Pregnant Women	Breastfeeding Women	Postpartum Women	Total Women	Infants	Children	Total WIC
Western								
Idaho								
Number in category	Number	3,801	1,624	1,811	7,236	6,727	19,445	33,408
Percent reporting	%	100.0	100.0	99.9	100.0	100.0	100.0	100.0
Mean	Number	1	2	2	2	2	1	2
Mode	Number	1	2	2	2	2	2	2
Navajo Nation								
Number in category	Number	1,505	1,317	783	3,605	3,897	12,022	19,524
Percent reporting	%	99.7	100.0	99.9	99.9	99.5	100.0	99.9
Mean	Number	4	4	4	4	5	5	5
Mode	Number	3	4	4	4	4	5	5

Notes

An infant is defined as a participant who is under one year of age and who would be classified as a child at the age of 366 days.

Multiple Modes by Participant category by State

Region or State	Age	Modes
Seneca Nation	3 years	2 3

Exhibit G.22

Prepregnant Body Mass Index (BMI) for Pregnant WIC Women by State

Region and State	Very Underweight		Underweight		Normal Weight		Overweight		Very Overweight		Not Reported		Total Number
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Northeast													
Maine	118	4.8	305	12.4	1,177	47.9	278	11.3	545	22.2	32	1.3	2,455
Massachussetts	612	5.1	1,414	11.7	6,110	50.6	1,499	12.4	2,247	18.6	189	1.6	12,071
Rhode Island	118	4.9	316	13.1	1,209	50.1	280	11.6	406	16.8	85	3.5	2,414
Vermont	72	4.8	159	10.7	678	45.6	195	13.1	367	24.7	15	1.0	1,486
Pleasant Point	0	0.0	0	0.0	1	12.5	0	0.0	1	12.5	6	75.0	8
Seneca Nation	0	0.0	1	3.4	11	37.9	5	17.2	7	24.1	5	17.2	29
Mid-Atlantic													
District of Columbia	78	4.1	159	8.3	870	45.5	252	13.2	458	24.0	94	4.9	1,911
Maryland	268	4.4	625	10.3	2,872	47.2	828	13.6	1,475	24.2	21	0.3	6,089
New Jersey	681	4.5	1,598	10.6	7,869	52.3	1,948	12.9	2,817	18.7	143	0.9	15,056
Pennsylvania	1,136	5.0	2,579	11.4	10,893	48.1	2,716	12.0	5,206	23.0	103	0.5	22,633
Virgin Islands	26	5.2	57	11.3	254	50.5	55	10.9	109	21.7	2	0.4	503
West Virginia	469	6.6	805	11.3	3,174	44.4	834	11.7	1,749	24.5	119	1.7	7,150
Southeast													
Alabama	1,187	6.5	2,023	11.2	7,981	44.0	2,167	11.9	4,298	23.7	478	2.6	18,134
Florida	2,319	4.7	4,834	9.8	21,392	43.2	5,158	10.4	8,474	17.1	7,323	14.8	49,500
North Carolina	1,535	6.2	2,894	11.8	10,887	44.3	2,855	11.6	5,455	22.2	943	3.8	24,569
Eastern Band Cherokee	2	2.5	7	8.9	31	39.2	9	11.4	20	25.3	10	12.7	79
Seminole Tribe	0	0.0	0	0.0	9	75.0	0	0.0	3	25.0	0	0.0	12
Midwest													
Illinois	308	1.1	690	2.4	3,318	11.5	886	3.1	1,449	5.0	22,185	76.9	28,836
Indiana	806	5.5	1,710	11.8	6,613	45.5	1,571	10.8	3,164	21.8	674	4.6	14,538
Minnesota	327	3.6	902	9.9	4,496	49.1	1,170	12.8	2,050	22.4	209	2.3	9,154
Ohio	1,468	5.3	3,099	11.2	12,934	46.6	3,328	12.0	6,811	24.5	104	0.4	27,744

Prepregnant Body Mass Index (BMI) for Pregnant WIC Women by State

Region and State	Very Underweight		Underweight		Normal Weight		Overweight		Very Overweight		Not Reported		Total Number
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Southwest													
Cherokee Nation	39	4.9	63	7.9	385	48.4	97	12.2	212	26.6	0	0.0	796
ITC Oklahoma	0	0.0	0	0.0	1	1.6	0	0.0	0	0.0	60	98.4	61
Otoe-Missouria	1	1.3	4	5.2	19	24.7	4	5.2	3	3.9	46	59.7	77
Pueblo of San Felipe	0	0.0	0	0.0	3	23.1	0	0.0	1	7.7	9	69.2	13
Pueblo of Zuñi	0	0.0	1	2.3	15	34.1	7	15.9	12	27.3	9	20.5	44
WCD	0	0.0	0	0.0	2	0.8	0	0.0	1	0.4	246	98.8	249
Mountain Plains													
Iowa	10	0.2	21	0.4	95	1.7	31	0.5	58	1.0	5,501	96.2	5,716
Kansas	289	4.7	661	10.8	2,926	47.8	736	12.0	1,348	22.0	162	2.6	6,122
Missouri	916	6.0	1,836	11.9	7,066	45.9	1,823	11.9	3,659	23.8	80	0.5	15,380
South Dakota	84	4.2	222	11.1	1,002	50.0	60	13.0	433	21.6	3	0.1	2,004
Utah	373	5.6	867	13.0	3,510	52.8	732	11.0	1,112	16.7	60	0.9	6,654
Wyoming	95	7.5	164	13.0	643	51.0	131	10.4	227	18.0	2	0.2	1,262
Western													
Navajo Nation	27	1.8	89	5.9	705	46.8	281	18.7	358	23.8	45	3.0	1,505

Notes

Very Underweight	—	BMI 10.0-12.9
Underweight	—	BMI 13.0-19.9
Normal Weight	—	BMI 20.0-26.9
Overweight	—	BMI 27.0-29.9
Very Overweight	—	BMI 30.0-34.9

Body Mass Index equals kilograms/meters².

Not reported indicates number and percent of pregnant women for whom no data were reported on prepregnancy weight and height.

Exhibit G.23

Mean Weight Gain During Pregnancy for WIC Mothers by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Mothers
Northeast								
Maine								
Women in category	Number	11	29	28	13	3,669	4	3,754
Percent reporting weight gain	%	100.0	100.0	92.9	100.0	95.3	75.0	95.3
Mean weight gain	Pounds	31.8	28.9	32.3	31.0	32.9	30.7	32.8
Massachusetts								
Women in category	Number	37	731	2,640	3,271	6,902	0	13,581
Percent reporting weight gain	%	89.2	75.1	75.8	83.8	72.0		75.8
Mean weight gain	Pounds	31.4	27.8	30.2	30.4	33.5	N/A	31.7
Vermont								
Women in category	Number	3	12	5	3	1,403	0	1,426
Percent reporting weight gain	%	66.7	75.0	100.0	66.7	92.9		92.7
Mean weight gain	Pounds	36.5	31.7	27.2	40.0	32.6	N/A	32.6
Seneca Nation								
Women in category	Number	16	0	0	0	2	0	18
Percent reporting weight gain	%	87.5				100.0		88.9
Mean weight gain	Pounds	37.6	N/A	N/A	N/A	45.0	N/A	38.6
Mid-Atlantic								
Pennsylvania								
Women in category	Number	44	463	6,660	1,959	19,024	0	28,150
Percent reporting weight gain	%	86.4	82.9	77.6	84.5	83.4		82.1
Mean weight gain	Pounds	29.8	27.3	26.5	27.1	29.1	N/A	28.4
West Virginia								
Women in category	Number	0	9	153	6	3,039	10	3,217
Percent reporting weight gain	%		88.9	77.1	100.0	72.0	80.0	72.3
Mean weight gain	Pounds	N/A	30.6	31.1	23.3	30.0	30.3	30.1
Southeast								
North Carolina								
Women in category	Number	516	427	7,910	195	10,541	0	19,589
Percent reporting weight gain	%	46.5	52.2	51.3	45.7	40.0		45.0
Mean weight gain	Pounds	27.7	26.9	27.0	24.9	29.7	N/A	28.3

Exhibit G.23 (continued)

Mean Weight Gain During Pregnancy for WIC Mothers by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Mothers
Midwest								
Illinois								
Women in category	Number	23	264	5,802	4,432	8,164	212	18,897
Percent reporting weight gain	%	91.3	86.7	95.7	93.4	96.1	92.9	95.2
Mean weight gain	Pounds	35.8	38.0	35.0	35.7	36.5	35.0	35.8
Indiana								
Women in category	Number	13	112	3,966	735	15,322	69	20,217
Percent reporting weight gain	%	84.6	86.6	87.7	82.9	89.1	87.0	88.6
Mean weight gain	Pounds	25.8	31.4	31.0	30.3	32.3	30.8	32.0
Minnesota								
Women in category	Number	230	569	595	402	6,430	0	8,226
Percent reporting weight gain	%	93.9	87.0	92.1	83.8	94.6		93.4
Mean weight gain	Pounds	33.7	23.9	31.7	30.4	32.7	N/A	32.0
Ohio								
Women in category	Number	20	244	7,382	654	19,545	146	27,991
Percent reporting weight gain	%	95.0	90.2	90.0	92.2	92.1	89.0	91.5
Mean weight gain	Pounds	37.5	29.3	30.2	30.3	33.1	30.9	32.2
Southwest								
Pueblo of Zuñi								
Women in category	Number	104	0	0	0	1	0	105
Percent reporting weight gain	%	27.9				0		27.6
Mean weight gain	Pounds	13.2	N/A	N/A	N/A	N/A	N/A	13.2

Exhibit G.23 (continued)

Mean Weight Gain During Pregnancy for WIC Mothers by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Mothers
Mountain Plains								
Iowa								
Women in category	Number	26	118	349	300	5,374	0	6,167
Percent reporting weight gain	%	0	1.7	1.7	7	5.5		5.0
Mean weight gain	Pounds	N/A	29.5	21.5	24.5	28.9	N/A	28.8
Kansas								
Women in category	Number	172	78	1,044	1,007	5,118	0	7,419
Percent reporting weight gain	%	91.3	96.2	91.1	89.1	91.6		91.2
Mean weight gain	Pounds	26.2	31.8	29.8	27.2	30.1	N/A	29.6
Missouri								
Women in category	Number	37	196	5,888	327	14,438	93	20,979
Percent reporting weight gain	%	94.6	88.8	90.6	89.0	95.9	90.3	94.2
Mean weight gain	Pounds	32.5	29.0	30.8	28.8	32.0	29.0	31.6
Nebraska								
Women in category	Number	55	80	376	407	2,794	5	3,717
Percent reporting weight gain	%	92.7	92.5	96.5	91.9	95.1	80.0	94.8
Mean weight gain	Pounds	31.3	26.4	29.5	26.6	30.9	32.0	30.2
South Dakota								
Women in category	Number	399	35	43	31	1,916	0	2,424
Percent reporting weight gain	%	33.6	37.1	55.8	48.4	36.2		36.3
Mean weight gain	Pounds	28.2	28.4	31.4	30.8	31.9	N/A	31.3
Utah								
Women in category	Number	238	314	104	1,206	8,026	24	9,912
Percent reporting weight gain	%	93.7	95.9	94.2	93.5	94.6	87.5	94.5
Mean weight gain	Pounds	31.1	31.4	29.2	29.4	30.8	27.1	30.6
Wyoming								
Women in category	Number	21	12	17	148	1,258	0	1,456
Percent reporting weight gain	%	100.0	100.0	100.0	96.6	97.8		97.7
Mean weight gain	Pounds	29.3	35.8	24.4	31.5	31.6	N/A	31.5

Exhibit G.23 (continued)

Mean Weight Gain During Pregnancy for WIC Mothers by Race or Ethnic Characteristics by State

Region and State		American Indian or Alaskan Native	Asian or Pacific Islander	Black (Non-Hispanic)	Hispanic	White (Non-Hispanic)	Race or Ethnicity Not Reported	Total WIC Mothers
Western								
Alaska								
Women in category	Number	516	72	124	87	1,057	13	1,869
Percent reporting weight gain	%	61.6	63.9	50.8	39.1	46.2	46.2	51.1
Mean weight gain	Pounds	29.3	31.0	33.2	29.5	33.8	36.2	32.0
Arizona								
Women in category	Number	317	156	698	6,600	4,398	0	12,169
Percent reporting weight gain	%	94.3	91.0	92.0	89.8	91.7		90.7
Mean weight gain	Pounds	29.2	27.5	30.6	28.7	33.2	N/A	30.4
Idaho								
Women in category	Number	56	29	12	644	2,694	0	3,435
Percent reporting weight gain	%	62.5	72.4	50.0	77.2	75.3		75.3
Mean weight gain	Pounds	30.1	34.1	25.2	27.5	32.1	N/A	31.2
Oregon								
Women in category	Number	165	322	309	1,656	7,183	0	9,635
Percent reporting weight gain	%	19.4	41.0	17.5	20.7	37.1		33.5
Mean weight gain	Pounds	33.9	31.1	32.2	29.9	34.3	N/A	33.6
Navajo Nation								
Women in category	Number	2,066	0	0	8	26	0	2,100
Percent reporting weight gain	%	78.0			100.0	69.2		78.0
Mean weight gain	Pounds	24.0	N/A	N/A	19.8	32.9	N/A	24.1

Note

The group labeled WIC mothers is comprised of all women certified as breastfeeding or postpartum.

Exhibit G.24

Lapsed Time in Months Between Last and Current Pregnancies for Pregnant Women WIC Participants by State

Region and State	Under Six Months		6 - 11 Months		12 - 17 Months		18 - 23 Months		2 or More Years		No previous Pregnancy Reported		Exp. Date or Gestation Not Reported*		Certification Date Not Reported		Total Pregnant WIC Women
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Northeast																	
Massachusetts	913	7.6	1,065	8.8	829	6.9	670	5.6	2,99	24.8	5,544	45.9	51	0.4	0	0.0	12,071
Rhode Island	246	10.2	245	10.1	154	6.4	143	5.9	66	27.5	940	38.9	19	0.8	2	0.1	2,414
Seneca Nation	0	0.0	1	3.4	4	13.8	1	3.4		31.0	13	44.8	1	3.4	0	0.0	29
Mid-Atlantic																	
District of Columbia	183	9.6	210	11.0	154	8.1	111	5.8	58	30.8	594	31.1	51	2.7	20	1.0	1,911
Maryland	877	14.4	954	15.7	797	13.1	615	10.1	2,72	44.7	0	0.0	121	2.0	2	0.0	6,089
Southeast																	
Alabama	1,382	7.6	1,672	9.2	1,299	7.2	1,002	5.5	4,94	27.3	7,805	43.0	0	0.0	29	0.2	18,134
Midwest																	
Illinois	2,801	9.7	2,937	10.2	2,138	7.4	1,687	5.9	6,87	23.8	12,296	42.6	106	0.4	1	0.0	28,836
Indiana	1,372	9.4	1,622	11.2	1,241	8.5	953	6.6	3,64	25.1	5,400	37.1	296	2.0	6	0.0	14,538
Ohio	7	0.0	138	0.5	422	1.5	309	1.1	1,18	4.3	1,232	4.4	23,236	83.8	1,211	4.4	27,744
Southwest																	
Chickasaw Nation	16	7.8	23	11.2	15	7.3	4	2.0	4	19.5	104	50.7	3	1.5	0	0.0	205
WCD	0	0.0	0	0.0	1	0.4	0	0.0		0.0	160	64.3	88	35.3	0	0.0	249
Mountain Plains																	
Missouri	1,107	7.2	1,477	9.6	1,200	7.8	985	6.4	4,25	27.7	6,353	41.3	1	0.0	0	0.0	15,489
Nebraska	289	8.7	387	11.6	297	8.9	260	7.8	88	26.4	1,190	35.7	28	0.8	2	0.1	3,334
Utah	707	10.6	853	12.8	744	11.2	538	8.1	1,43	21.6	2,246	33.8	129	1.9	2	0.0	6,654
Wyoming	125	9.9	118	9.4	103	8.2	78	6.2	32	25.8	438	34.7	0	0.0	74	5.9	1,262
Western																	
Alaska	238	11.8	214	10.6	206	10.2	150	7.4	50	24.9	709	35.1	1	0.0	0	0.0	2,022
Navajo Nation	114	7.6	157	10.4	153	10.2	123	8.2	48	32.4	457	30.4	12	0.8	1	0.1	1,505

Notes

Interconceptual period is the time used to refer to the time between the end of the last pregnancy and the conception of the current pregnancy.

* This column represents pregnant women for whom data on date previous pregnancy ended was not reported.