Ross Products Division, Abbott Laboratories 625 Cleveland Ave. Columbus, OH 43215

## **BREASTFEEDING TRENDS – 2002**

## **BACKGROUND**

The Ross Products Division of Abbott Laboratories has been collecting information on breastfeeding in the United States since 1955. Current survey design permits an examination of infant feeding patterns during the first 12 months of life. Ryan described increases in the hospital initiation and duration of breastfeeding between 1985 and 1995, and later for the 1996 to 2001 time frame. This update complements the published data and provides current breastfeeding information through 2002.

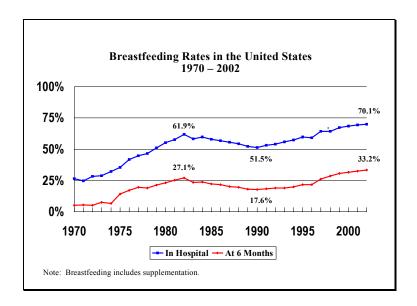
## **METHODOLOGY**

The "Ross Mothers Survey" exists as an on-going mail survey periodically sent to a nationally representative sample of new mothers. Prior to January 1997, mothers received the survey at the time their babies turned six months of age. Since that time, mothers with infants one month of age, two months of age, three months of age and so forth through 12 months of age receive the survey. The survey asks mothers to recall the types of milk their babies received in the hospital, at one week of age, in the last 30 days, and most often in the last week. By using a multiple choice question, mothers select the kinds of milk fed to their infants from a listing that includes breast milk, commercially available infant formulas, and cow's milk. Each monthly mailing of questionnaires to new mothers is addressed to a probability sample of names representing approximately half of all national births. Weighting of the results occurs using demographic characteristics traditionally associated with breastfeeding (ie. geography, race, mother's age, education).

If this information is used in a publication, please cite it as a source from the "Mothers Survey, Ross Products Division, Abbott Laboratories." © 2003 – Abbott Laboratories.

## **FINDINGS**

The prevalence of breastfeeding in the U.S. increased during the 1970s, decreased during the 1980s, and resumed its ascent during the 1990s. For 2002, breastfeeding in the hospital and at six months of age reached an all-time high of 70.1% and 33.2% respectively. This involved marginal gains of less than one point in-hospital and at six months of age since 2001. The breastfeeding rates of those receiving WIC benefits (Supplemental Nutrition Program for Women, Infants, and Children) still lagged non-WIC recipients by over twenty percentage points in-hospital and at six months of age (APPENDIX 1). APPENDIX 2 contains breastfeeding rates in-hospital, at six, and at twelve months of age for 2002 for various demographic characteristics.



Nationally, in-hospital breastfeeding rose 15.9 points over the last ten years (1992-2002). An analysis of breastfeeding in the hospital showed strong gains among segments of the population that historically displayed a reduced propensity toward breastfeeding. These segments included black and Hispanic mothers, mothers under 24 years of age, those receiving WIC benefits, residents of the South Atlantic region, those with only a grade-school education, and mothers with low birth weight infants. Conversely, those segments that traditionally produced higher breastfeeding rates showed the smallest incremental increases in breastfeeding over the last ten years as rates began at a relatively higher level. These segments included residents of the Mountain and Pacific regions, mothers over 30 years of age, those employed part-time, and those with a college education (APPENDIX 3).

Groups with the Largest Increase in Hospital Breastfeeding 1992 vs. 2002

	<u>1992</u>	<u>2002</u>	Point Change
National Average	54.2	70.1	15.9
Black	28.1	53.9	25.8
Low Birth Weight (<5 lb 9 oz)	40.2	63.1	22.9
Mother's Age <20 years	33.6	56.2	22.6
WIC Participant	38.8	58.8	20.0
South Atlantic Resident	48.0	67.5	19.5
Grade School Education	35.9	55.1	19.2
20-24 Years of Age	46.9	66.0	19.1
Hispanic	52.4	70.7	18.3

An examination of breastfeeding rates at six months of age resulted in a nationwide increase of 14.3 points from 1992 to 2002. The largest increases in breastfeeding during this time frame occurred among New England residents, Hispanic mothers, and non-WIC participants. Mothers 35 years or older, East South Central residents, mothers less than 20 years of age, and those with a high school education showed the smallest gains in breastfeeding at six months (APPENDIX 4).

While overall breastfeeding rates increased, the 2002 data revealed slight declines for breastfeeding in the hospital among some segments of the population in comparison to 2001 statistics. Those mothers less than 20 years of age or older than 35 showed a somewhat reduced propensity toward in-hospital breastfeeding in 2002 versus 2001. The in-hospital rates for residents of the Mountain and Pacific regions peaked in 2001 and have declined slightly since then. Asian and Hispanic mothers also breastfeed less in the hospital than they had in 2001 (APPENDIX 3). These same overall trends witnessed for breastfeeding in the hospital applied to breastfeeding at six months of age as well, except that breastfeeding rates at six months for Asian and Hispanic mothers remained unchanged from 2001 to 2002. In addition, black mothers slightly reduced their rates of breastfeeding at six months in 2002 when compared to 2001 (APPENDIX 4).

Geographically, the western states of Oregon, Alaska, Washington, Utah, Hawaii, Idaho, Montana, and Wyoming showed the highest overall rates of breastfeeding (in-hospital and at six months). The states with the lowest overall rates of breastfeeding included Louisiana, Alabama, Mississippi, Arkansas, South Carolina, Kentucky, Tennessee, and West Virginia (APPENDIX 5). These state statistics apply regardless of WIC status (APPENDIX 6).

A review of 2002 breastfeeding rates for infants <u>exclusively</u> receiving breast milk in the hospital provided further insights. While exclusive breastfeeding remained unchanged over the last four years in-hospital and increased at six months of age, results vary by demographic segment. For example, mothers with a college education exclusively breastfed their infants at a rate 50% higher than mothers without a college education (56.8% vs. 36.9%). Non-WIC mothers exclusively breastfed at a rate 70% greater than WIC mothers (56.3% vs. 33.4%). White mothers exclusively breastfed at a rate double that of black mothers (54.0% vs. 27.5%). Moreover, a gap of 2-to-1 existed for these demographic segments for infants six months of age: college vs. non-college educated (23.5% vs. 12.2%), non-WIC vs. WIC (22.7% vs. 11.1%), and white vs. black (19.7% vs. 9.5%) (APPENDIX 7).

## **SUMMARY**

While breastfeeding rates increased among all demographic segments of the population over the last ten years, a substantial gap still exists between non-WIC and WIC recipients. The breastfeeding rates in certain segments displayed some year-to-year variability from 2001 to 2002. Overall, the prevalence of breastfeeding in the United States continued to increase, resulting in the highest breastfeeding rates to date in the hospital and at six months of age.

# **REFERENCES**

- 1. Martinez GA, Nalezienski JP. The recent trend in breast-feeding. *Pediatrics* 1979;64:686-692.
- 2. Martinez GA, Nalezienski JP. 1980 update: the recent trend in breast-feeding. *Pediatrics* 1981;67:260-263.
- 3. Martinez GA, Dodd DA. 1981 milk feeding patterns in the United States during the first 12 months of life. *Pediatrics* 1983;71:166-170.
- 4. Martinez GA, Krieger FW. 1984 milk-feeding patterns in the United States. *Pediatrics* 1985;76:1004-1008.
- 5. Ryan AS, Martinez GA, Krieger FW. Feeding low-fat milk during infancy. *American Journal of Physical Anthropology* 1987;73:539-548.
- 6. Ryan AS, Rush D, Krieger FW, Lewandowski GE. Recent declines in breast-feeding in the United States, 1984 through 1989. *Pediatrics* 1991;88:719-727.
- 7. Ryan AS, Martinez GA. Breast-feeding and the working mother: a profile. *Pediatrics* 1989;83:524-531.
- 8. Ryan AS. The resurgence of breastfeeding in the United States. *Pediatric electronic pages* 1997;99(4). URL: http://pediatrics.org/cgi/content/full/99/4/e12.
- 9. Ryan AS, Zhou W, Acosta A. Breastfeeding continues to increase into the new millennium. *Pediatrics* 2002; 110: 1103-1109.

# ROSS PRODUCTS DIVISION - MOTHERS SURVEY BREASTFEEDING RATES IN-HOSPITAL AND AT SIX MONTHS All Infants

	lı	n-Hospital (%	<b>6</b> )		6 Months (%)	
	<u>Total</u>	Non-WIC	WIC	<u>Total</u>	Non-WIC	WIC
1970	26.5					
1971	24.7			5.4		
1972	28.1			5.0		
1973	28.9			7.5		
1974	32.2			6.5		
1975	35.5			14.1		
1976	41.6			17.0		
1977	44.7			19.6		
1978	46.6	48.1	34.5	18.9	20.0	9.7
1979	51.0	52.6	37.0	21.3	22.8	11.2
1980	55.3	57.7	40.0	23.2	25.0	13.1
1981	57.6	61.0	39.9	25.1	27.4	13.7
1982	61.9	65.2	45.3	27.1	29.4	16.1
1983	58.4	65.2	38.9	23.3	27.6	11.5
1984	59.7	67.6	39.1	23.8	28.6	11.9
1985	58.0	66.2	40.1	22.1	26.6	11.7
1986	56.9	66.1	38.0	21.6	26.8	10.7
1987	55.5	64.9	37.3	20.2	25.1	10.6
1988	54.3	64.3	35.3	19.5	25.0	9.2
1989	52.2	62.9	34.2	18.1	23.8	8.4
1990	51.5	62.9	33.7	17.6	23.6	8.2
1991	53.3	65.2	36.9	18.2	24.6	9.0
1992	54.2	66.4	38.8	18.9	25.6	10.1
1993	55.9	67.9	41.6	19.0	25.8	10.8
1994	57.4	68.8	44.3	19.7	26.5	11.6
1995	59.7	71.0	46.6	21.6	29.2	12.7
1996	59.2	70.8	46.6	21.7	29.5	12.9
1997	62.4	73.4	50.4	26.0	35.5	16.5
1998	64.3	75.2	56.8	28.6	38.5	18.9
1999	67.2	76.9	56.1	30.7	40.3	19.9
2000	68.4	77.8	56.8	31.4	40.7	20.1
2001	69.5	78.9	58.2	32.5	43.2	20.8
2002	70.1	79.2	58.8	33.2	42.7	22.1

© 2003 - Abbott Laboratories

If this information is used in a publication, please cite it as a source from the "Mothers Survey, Ross Products Division, Abbott Laboratories."

# ROSS PRODUCTS DIVISION - MOTHERS SURVEY BREASTFEEDING RATES IN-HOSPITAL, AT SIX MONTHS AND AT 12 MONTHS All Infants and Selected Demographics

	2002	2002	2002
	<u>In Hospital</u>	At 6 Months	<u>At 12 Months</u>
All infants	70.1	33.2	19.7
Primiparous	72.5	31.9	18.9
Multiparous	67.3	34.6	20.6
Any Grade School	55.1	27.1	23.0
Any High School	60.7	23.4	14.1
No College	60.5	23.5	14.4
Any College	81.2	44.6	25.7
Employed Full-Time	69.0	27.1	12.6
Employed Part-Tme	72.7	36.8	20.8
Total Employed	70.2	30.3	15.5
Not Employed	69.0	35.2	23.8
Less than 20 years	56.2	16.7	10.2
20-24 years	66.0	25.4	14.2
25-29 years	73.4	35.7	20.0
30-34 years	76.4	42.3	24.8
35+ years	74.1	43.1	25.9
LBW < 5 lb 9 oz	63.1	23.8	12.1
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain	73.3	37.0	21.5
	65.5	33.2	17.4
	66.7	28.7	16.4
	73.1	35.2	18.3
	67.5	31.2	18.1
	57.0	22.0	13.8
	64.9	27.3	16.4
	81.0	40.5	24.7
Pacific WIC Non-WIC	81.5	43.4	28.2
	58.8	22.1	12.8
	79.2	42.8	25.2
Black	53.9	19.2	11.8
White	73.4	36.0	21.2
Asian	80.2	46.2	28.1
Hispanic	70.7	32.7	19.3

If this information is used in a publication, please cite it as a source from the "Mothers Survey, Ross Products Division, Abbott Laboratories."

# ROSS PRODUCTS DIVISION - MOTHERS SURVEY BREASTFEEDING RATES IN-HOSPITAL All Infants and Selected Demographics

	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	2000	<u>2001</u>	2002	Change 2002 vs 1992	Change 2002 vs 2001
All infants	54.2	55.9	57.4	59.7	59.2	62.4	64.3	67.2	68.4	69.5	70.1	15.9	0.6
Primiparous	56.4	58.7	59.7	61.6	61.0	64.6	66.5	69.6	71.1	72.0	72.5	16.1	0.5
Multiparous	52.8	54.3	55.3	57.8	57.4	60.1	62.0	64.5	65.4	66.5	67.3	14.5	8.0
Any Grade School	35.9	37.5	38.8	43.8	46.8	47.0	48.4	52.2	54.5	55.1	55.1	19.2	0.0
Any High School	43.9	46.0	47.7	49.7	49.2	53.0	55.0	58.5	59.8	61.1	60.7	16.8	-0.4
No College	43.6	45.7	47.4	49.5	49.1	52.8	54.9	58.4	59.7	61.0	60.5	16.9	-0.5
Any College	70.9	71.9	72.9	74.4	73.8	76.3	78.2	80.1	81.2	82.1	81.2	10.3	-0.9
Employed Full-Time	55.9	57.8	58.6	60.7	60.2	61.8	63.3	65.6	66.2	67.6	69.0	13.1	1.4
Employed Part-Tme	61.4	61.5	62.5	63.5	63.3	64.8	66.3	69.7	70.7	71.5	72.7	11.3	1.2
Total Employed	57.8	59.1	59.9	61.7	61.3	62.9	64.4	67.0	67.7	68.8	70.2	12.4	1.4
Not Employed	51.6	53.5	55.3	58.0	57.5	60.9	63.1	66.5	68.0	69.0	69.0	17.4	0.0
Less than 20 years	33.6	36.6	39.9	42.8	43.3	47.3	50.5	54.4	56.2	57.2	56.2	22.6	-1.0
20-24 years	46.9	49.0	51.2	52.6	52.7	56.2	58.9	62.9	64.1	65.6	66.0	19.1	0.4
25-29 years	58.7	60.2	61.5	63.1	62.2	65.7	67.5	70.6	71.7	72.8	73.4	14.7	0.6
30-34 years	65.0	65.9	66.3	68.1	67.5	70.1	71.5	73.9	74.9	75.8	76.4	11.4	0.6
35+ years	67.2	67.4	67.7	70.0	69.3	71.1	72.6	74.7	75.3	76.1	74.1	6.9	-2.0
LBW < 5 lb 9 oz	40.2	43.1	44.3	47.7	48.0	53.2	56.3	60.5	62.5	62.7	63.1	22.9	0.4
New England	56.1	57.5	58.4	61.2	60.9	64.2	65.0	68.1	68.8	70.8	73.3	17.2	2.5
Middle Atlantic	48.8	50.1	51.9	53.8	53.5	56.5	57.8	61.0	63.0	64.0	65.5	16.7	1.5
East North Central	50.2	51.6	52.9	54.6	54.3	57.3	59.2	62.6	63.7	64.6	66.7	16.5	2.1
West North Central	57.6	58.2	59.6	61.9	60.8	65.3	66.8	69.4	70.7	72.0	73.1	15.5	1.1
South Atlantic	48.0	50.6	52.5	54.8	54.7	58.1	60.5	63.7	64.6	65.7	67.5	19.5	1.8
East South Central	39.2	41.4	42.3	44.1	45.1	46.8	49.6	52.5	53.4	54.4	57.0	17.8	2.6
West South Central	48.3	49.8	51.9	54.4	53.8	57.0	59.4	62.9	64.3	65.9	64.9	16.6	-1.0
Mountain	70.7	72.0	73.6	75.1	73.8	77.5	79.1	8.08	81.6	82.8	81.0	10.3	-1.8
Pacific	70.1	71.6	72.7	75.1	73.9	76.8	78.6	80.7	81.8	82.9	81.5	11.4	-1.4
WIC	38.8	41.6	44.3	46.6	46.6	50.4	56.8	56.1	56.8	58.2	58.8	20.0	0.6
Non-WIC	66.4	67.9	68.8	71.0	70.8	73.4	75.2	76.9	77.8	78.9	79.2	12.8	0.3
Black	28.1	30.8	33.2	37.0	37.1	41.3	44.9	50.0	50.8	52.9	53.9	25.8	1.0
White	60.0	61.1	62.3	64.3	63.8	66.5	67.9	70.2	71.5	72.2	73.4	13.4	1.2
Asian	N/A	N/A	N/A	N/A	N/A	N/A	76.9	80.0	80.9	81.6	80.2	N/A	-1.4
Hispanic	52.4	55.5	57.8	61.0	60.5	63.6	66.2	69.4	70.8	73.0	70.7	18.3	-2.3

© 2003 - Abbott Laboratories

If this information is used in a publication, please cite it as a source from the "Mothers Survey, Ross Products Division, Abbott Laboratories."

# ROSS PRODUCTS DIVISION - MOTHERS SURVEY BREASTFEEDING RATES AT SIX MONTHS All Infants and Selected Demographics

	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	2002	Change 2002 vs 1992	Change 2002 vs 2001
All infants	18.9	19.0	19.7	21.6	21.7	26.0	28.6	30.7	31.4	32.5	33.2	14.3	0.7
Primiparous	16.7	17.3	17.8	19.5	19.7	24.4	27.1	29.5	30.5	31.9	31.9	15.2	0.0
Multiparous	20.3	20.0	21.2	23.6	23.6	27.7	30.1	32.0	32.5	33.3	34.6	14.3	1.3
Any Grade School	13.4	13.1	14.6	17.1	17.6	20.9	23.4	29.5	23.8	18.9	27.1	13.7	8.2
Any High School	12.8	13.1	13.8	15.0	15.1	18.9	20.9	22.5	23.0	23.9	23.4	10.6	-0.5
No College	12.8	13.1	13.8	15.0	15.2	19.0	21.0	22.7	23.0	23.8	23.5	10.7	-0.3
Any College	28.4	28.3	28.9	31.2	31.1	37.1	40.4	42.5	44.1	45.8	44.6	16.2	-1.2
Employed Full-Time	11.4	11.9	12.6	14.3	14.8	18.1	21.0	22.5	22.8	25.1	27.1	15.7	2.0
Employed Part-Tme	22.1	21.9	22.3	23.4	23.4	28.3	30.1	32.3	33.4	34.0	36.8	14.7	2.8
Total Employed	15.2	15.4	16.1	17.6	17.9	21.9	24.4	26.1	26.6	28.2	30.3	15.1	2.1
Not Employed	21.6	21.7	22.5	25.0	24.9	28.9	31.7	34.3	35.4	35.8	35.2	13.6	-0.6
Less than 20 years	6.2	6.9	7.7	9.1	9.6	12.2	15.6	17.9	18.2	19.5	16.7	10.5	-2.8
20-24 years	12.4	12.8	13.8	14.6	15.0	18.3	20.8	22.0	23.7	25.5	25.4	13.0	-0.1
25-29 years	20.5	20.8	21.4	22.9	23.1	28.4	30.4	33.7	33.7	35.1	35.7	15.2	0.6
30-34 years	27.6	27.3	27.3	29.0	28.5	34.9	38.5	39.9	40.9	41.8	42.3	14.7	0.5
35+ years	33.0	32.0	32.4	33.8	33.9	38.7	41.3	42.8	44.0	43.7	43.1	10.1	-0.6
LBW < 5 lb 9 oz	10.5	11.1	11.1	12.6	13.1	18.5	19.7	20.3	22.1	22.1	23.8	13.3	1.7
New England	19.6	19.6	20.2	22.2	23.1	28.5	28.2	30.8	34.7	37.1	37.0	17.4	-0.1
Middle Atlantic	17.5	17.6	18.4	19.6	19.8	24.0	26.9	28.8	28.8	30.3	33.2	15.7	2.9
East North Central	17.4	17.3	17.4	18.9	19.0	21.4	24.7	28.5	28.1	27.7	28.7	11.3	1.0
West North Central	18.8	18.6	18.5	21.4	20.8	26.7	29.6	27.9	30.6	31.7	35.2	16.4	3.5
South Atlantic	15.3	15.9	16.9	18.6	18.5	22.9	25.5	26.9	28.7	29.2	31.2	15.9	2.0
East South Central	11.7	12.1	12.4	13.0	14.0	15.3	17.3	20.6	20.8	20.3	22.0	10.3	1.7
West South Central	14.3	14.4	15.0	17.0	16.6	20.8	22.7	26.9	25.5	26.8	27.3	13.0	0.5
Mountain	27.3	27.8	28.9	30.3	30.9	35.8	38.1	38.7	42.8	44.3	40.5	13.2	-3.8
Pacific	27.4	27.2	28.4	30.9	30.7	36.7	40.0	41.2	41.2	44.2	43.4	16.0	-0.8
WIC	10.1	10.8	11.6	12.7	12.9	16.5	18.9	19.9	20.1	20.8	22.1	12.0	1.3
Non-WIC	25.6	25.8	26.5	29.2	29.5	35.5	38.5	40.3	40.7	43.2	42.7	17.1	-0.5
Black	8.0	8.6	9.6	11.2	11.3	14.5	18.5	19.9	20.6	21.9	19.2	11.2	-2.7
White	21.6	21.6	22.1	24.1	24.3	28.6	30.6	32.6	33.8	34.2	36.0	14.4	1.8
Asian	N/A	N/A	N/A	N/A	N/A	N/A	42.5	44.0	43.9	46.2	46.2	N/A	0.0
Hispanic	15.6	16.4	17.5	19.6	19.5	24.5	28.2	29.2	27.7	32.8	32.7	17.1	-0.1

© 2003 - Abbott Laboratories

If this information is used in a publication, please cite it as a source from the "Mothers Survey, Ross Products Division, Abbott Laboratories."

#### ROSS PRODUCTS DIVISION - MOTHERS SURVEY BREASTFEEDING RATES IN-HOSPITAL AND AT SIX MONTHS All Infants

	19	1992 1993 1994 1995		19	96	19	97	19	998	19	199	20	000	20	001	20	02					
	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months
TOTAL U.S.	54.2	18.9	55.9	19.0	57.4	19.7	59.7	21.6	59.2	21.7	62.4	26.0	64.3	28.6	67.2	30.7	68.4	31.4	69.5	32.5	70.1	33.2
Alabama	40.1	12.0	41.9	12.4	42.1	12.3	43.9	12.8	43.9	14.2	44.6	14.8	47.4	16.3	49.8	16.8	49.9	20.0	51.8	22.2	55.1	17.4
Alaska	76.7	34.7	76.7	31.3	83.4	35.8	81.9	36.4	85.9	39.9	82.4	43.4	83.7	41.8	88.2	48.5	88.5	50.2	88.3	50.8	87.4	50.2*
Arizona	68.5	24.3	70.6	25.1	70.4	25.5	73.1	26.3	70.0	27.6	74.5	29.3	76.8	33.1	77.7	34.8	78.6	36.4	80.1	35.9	78.4	35.3
Arkansas	37.1	10.4	39.6	10.3	44.8	12.9	44.8	13.2	46.0	13.9	49.7	16.5	52.0	19.8	56.8	25.4	58.9	18.3	58.2	17.3	58.2	21.1
California	68.0	26.0	69.5	25.8	70.6	27.1	73.2	29.8	72.0	29.4	75.2	35.0	76.9	38.4	79.1	39.1	80.2	40.1	81.7	43.6	79.7	41.7
Colorado	72.3	28.9	73.9	28.8	76.7	31.2	77.5	30.9	75.4	31.5	79.2	38.2	81.2	39.2	83.3	41.5	83.5	44.4	84.8	48.6	81.7	39.1
Connecticut	57.5	18.7	57.1	19.0	58.7	19.2	61.1	19.7	61.0	22.0	65.5	30.9	64.3	25.7	68.1	27.3	67.8	32.9	69.4	40.0	73.2	28.3
D.C.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	52.5	26.4	53.6	21.8	59.8	15.6	68.2	27.9*	70.7	37.6*
Delaware	57.1	19.6	57.6	22.0	60.5	19.3	55.6	18.2	56.4	20.9	59.2	25.6	63.6	29.5	63.8	35.5	63.1	32.4	69.1	26.0	67.0	25.6*
Florida	52.6	15.9	56.2	16.6	56.5	17.6	59.6	19.8	57.5	18.9	62.4	26.1	64.1	25.0	66.6	27.1	68.5	29.4	69.6	28.4	70.4	34.4
Georgia	43.9	13.0	44.6	12.7	47.9	14.8	50.8	16.0	52.0	16.7	53.1	20.3	57.5	23.1	62.1	23.3	61.5	25.0	61.9	27.7	64.1	27.7
Hawaii Idaho	71.9 77.3	26.3 28.5	74.2 77.0	26.5 31.1	76.4 78.8	25.9 31.7	82.0 79.2	33.3 33.7	76.0 78.2	32.8 32.3	81.5 82.3	42.7 40.1	86.2 83.8	43.7 48.1	88.0 84.9	53.7 46.2	86.2 86.7	44.2 51.6	88.5 87.3	43.4 46.2	86.7 87.6	48.3 46.2
Illinois	49.1	26.5 17.9	51.7	17.5	53.5	18.3	79.2 54.6	18.8	54.4	19.5	56.6	20.8	58.7	24.3	63.8	29.7	64.8	30.8	65.2	28.7	68.0	29.5
Indiana	51.3	17.9	52.6	17.3	53.5	16.8	54.5	17.6	54.1	17.9	58.3	21.0	58.7	21.2	62.0	23.7	63.7	25.9	63.5	25.6	66.4	29.4
lowa	55.9	17.7	54.5	16.7	57.9	17.6	59.7	18.9	57.8	20.4	61.6	23.9	64.4	29.3	65.3	24.8	67.2	26.7	68.4	29.2	71.7	31.8
Kansas	61.0	21.3	61.7	20.2	65.6	21.7	66.0	23.4	61.6	21.4	69.6	26.8	69.9	26.4	71.5	28.6	73.4	33.7	73.8	28.7	72.2	28.8
Kentucky	38.8	11.3	40.2	11.3	41.6	12.3	41.9	12.0	44.4	12.7	47.4	14.8	50.2	16.7	53.1	19.4	54.2	23.9	54.0	21.7	56.5	25.3
Louisiana	32.8	9.4	32.5	8.6	35.1	9.1	39.6	11.3	38.9	10.8	41.0	13.7	42.7	14.6	47.4	17.2	48.7	17.2	51.1	20.1	51.6	20.1
Maine	58.4	20.4	56.9	19.1	61.0	23.5	61.3	20.7	62.6	24.0	61.7	21.8	68.2	26.2	68.3	38.2	68.0	36.3	73.5	32.5	77.7	52.5
Maryland	50.6	18.4	55.1	18.5	57.2	20.5	58.3	20.9	60.0	22.4	63.8	26.6	64.8	33.2	69.1	33.7	69.8	35.7	67.8	32.1	70.9	33.2
Massachusetts	55.4	20.0	57.3	19.6	58.0	20.0	60.5	23.0	60.2	22.9	65.4	28.0	65.3	29.4	67.5	32.3	69.2	35.1	70.9	34.9	72.6	38.9
Michigan	50.6	16.7	51.0	16.5	53.2	16.1	53.0	17.9	53.0	18.0	56.8	22.1	59.4	25.4	63.3	29.0	63.1	26.9	64.3	26.5	65.5	28.0
Minnesota	64.6	21.3	67.4	22.3	65.4	19.7	68.1	24.6	67.4	23.5	72.0	29.9	72.5	37.4	75.2	30.9	76.2	37.8	79.1	40.9	79.5	45.1
Mississippi	29.9	8.4	31.2	8.3	33.4	8.2	35.8	9.5	36.6	10.2	38.3	11.1	41.7	13.0	46.8	18.7	48.8	15.4	50.4	18.2	52.4	21.6
Missouri	50.1	15.4	50.1	15.0	52.6	15.9	54.3	18.3	54.2	17.2	58.1	23.0	60.3	23.1	64.0	26.3	65.0	26.7	66.1	24.5	67.8	28.1
Montana	75.1	30.8	73.9	27.9	77.6	31.0	78.6	33.7	78.3	35.2	81.4	37.3	82.9	39.9	83.9	43.8	86.0	40.7	87.1	49.0*	85.8	46.9*
Nebraska	59.6	20.9	60.9	20.0	62.1	19.7	64.2	21.8	64.2	22.5	68.1	29.7	68.1	30.8	70.0	25.4	72.6	23.5	71.6	31.9	75.8	41.5
Nevada	63.8	20.5	63.8	20.7	66.4	21.3	70.1	24.4	67.2	21.9	70.7	30.5	73.0	31.3	76.2	35.6	75.4	34.1	74.5	39.9	75.1	34.6
New Hampshire	61.7 47.9	22.5 16.3	61.8 49.2	21.3 16.0	62.2 49.2	21.7 16.5	67.6 53.3	25.3 19.1	64.6 53.2	29.1 19.3	66.4 56.6	36.5 24.0	68.6 57.8	37.0 26.5	73.3 61.9	29.0 28.8	71.4 63.2	39.0 27.5	74.7 65.2	50.4 32.1	78.5 67.1	41.0 31.3
New Jersey New Mexico	67.7	26.3	68.2	26.0	71.7	28.3	71.3	28.6	72.5	31.8	76.5	33.9	76.7	35.4	78.0	33.6	81.2	46.4	82.7	46.4	79.7	39.0
New York	49.2	17.0	50.6	17.2	53.0	18.4	54.4	19.5	54.5	19.8	57.2	24.4	58.7	27.8	61.6	30.2	64.0	29.6	64.8	31.7	65.8	34.9
North Carolina	44.4	14.5	47.0	15.3	49.0	15.7	51.4	18.1	53.5	18.3	56.5	20.1	58.9	21.0	62.8	28.6	63.7	26.1	65.0	29.8	67.4	29.2
North Dakota	56.4	19.2	59.3	20.9	56.2	18.9	61.9	22.7	63.8	21.7	67.8	28.5	68.5	30.9	68.9	35.7	71.1	21.0	74.0	39.9	68.3	21.7*
Ohio	47.8	17.2	48.7	16.7	48.9	16.8	52.5	19.1	52.0	18.4	54.7	19.8	56.1	25.3	58.9	28.3	61.0	27.1	62.4	26.2	63.7	26.5
Oklahoma	55.6	17.0	57.1	18.2	58.5	18.0	61.1	19.5	61.8	21.5	62.6	25.7	64.2	21.6	66.4	27.0	67.4	25.7	69.8	26.2	70.7	22.7
Oregon	81.0	34.4	83.1	35.5	82.0	34.9	83.5	35.5	83.3	36.6	85.1	44.4	86.1	47.3	87.8	48.8	88.6	44.6	88.1	46.4	89.1	49.5
Pennsylvania	48.6	19.1	49.9	19.3	51.7	19.6	53.0	20.3	52.0	20.1	55.1	23.2	56.2	25.7	59.2	26.5	61.2	28.5	61.7	26.4	63.7	31.7
Rhode Island	46.5	15.7	50.4	17.6	48.4	15.2	54.2	21.0	54.5	19.1	53.0	24.6	55.8	22.1	62.1	29.4	65.0	21.1	63.2	23.9	65.7	31.3*
South Carolina	41.0	12.8	42.5	12.7	46.5	14.4	49.9	14.8	47.2	14.3	47.5	14.3	52.1	20.7	54.5	19.2	55.6	22.8	57.7	27.5	58.5	22.5
South Dakota	62.2	20.3	60.5	20.1	64.8	21.6	66.7	23.5	65.4	24.2	65.5	31.9	69.8	29.6	76.0	25.6	73.9	42.0	74.9	39.0	75.6	50.7*
Tennessee	44.3	14.0	48.4	14.8	48.6	15.1	50.6	16.1	51.5	17.1	53.2	19.1	55.7	21.0	57.7	25.8	58.4	22.2	59.2	19.2	61.4	23.4
Texas	52.4	15.6	54.3	15.8	55.8	16.2	57.8	18.2	56.7	17.5	60.5	22.1	63.1	24.9	66.5	29.2	67.8	28.4	69.4	29.5	67.3	30.0
Utah	74.8	34.5	77.2	36.3	77.6	36.5	78.4	39.1	79.7	39.4	81.5	48.5	82.8	47.0	86.2	45.4	85.9	52.6	86.6	53.9	84.9	50.2
Vermont	52.8	19.5	63.1	23.6	62.4	24.1	68.8	29.0	68.4	25.7	65.7	25.8	69.9	28.3	75.6	29.0	73.3	54.1	79.1	57.0*	77.2	49.3*
Virginia	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	60.8	31.1	64.2	27.8	64.9	33.2	67.0	32.1	70.0	35.8
Washington	77.4	31.7	78.8	31.8	79.8	33.4	81.8	35.4	81.1	35.7	82.6	43.4	84.9	47.2	86.3	49.3	87.9	46.4	87.2	47.1	87.1	49.6
West Virginia	43.9 57.2	13.7 18.7	45.9 58.1	15.3	48.4 60.0	16.0 20.5	47.7 62.5	17.0 22.1	50.9 62.3	17.8 22.5	50.7 65.0	18.0	55.5 67.4	17.2 27.9	55.3 66.7	24.0 30.4	57.4 67.7	25.7 27.7	58.1 70.1	25.4	61.2	25.7 33.5
Wisconsin Wyoming	71.2	18.7 28.9	58.1 74.6	20.0 30.9	71.1	26.8	62.5 74.2	28.9	62.3 76.8	22.5	78.3	25.7 27.2	77.0	27.9 36.6	79.0	30.4 30.4	67.7 84.0	27.7 37.6	70.1 81.3	33.2 34.1*	73.0 82.2	33.5 48.1*
vvyorinig	11.2	20.9	14.0	50.9	7 1.1	20.0	14.2	20.9	10.0	29.0	10.3	21.2	17.0	30.0	19.0	30.4	04.0	37.0	01.3	J <del>4</del> . I	02.2	40. I

<sup>\*</sup>N < 50, breastfeeding data for these states are highly variable.

#### ROSS PRODUCTS DIVISION - MOTHERS SURVEY BREASTFEEDING RATES IN-HOSPITAL AND AT SIX MONTHS WIC Infants

	19	1992 1993 1994 1995		19	96	19	97	19	998	19	999	20	000	20	001	20	02					
	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months	In-Hospital	6 Months
Total U.S.	38.8	10.1	41.6	10.8	44.3	11.6	46.6	12.7	46.6	12.9	50.4	16.5	52.6	18.9	56.1	19.9	56.8	20.1	58.2	20.8	58.8	22.1
Alabama	26.7	6.1	27.2	6.1	29.1	7.6	30.2	6.4	30.2	8.2	30.7	6.4	33.0	6.4	35.7	7.5	35.9	12.4	37.7	10.8	40.7	7.1
Alaska	66.4	24.8	66.5	23.1	78.5	31.8	75.6	27.5	83.1	33.7	78.3	40.2	78.4	33.7	83.8	37.6*	82.8	47.2	84.6	46.2*	82.2	41.7*
Arizona	58.8	14.6	61.8	16.2	61.5	16.9	64.4	17.1	61.5	18.4	67.4	18.7	69.9	23.0	69.7	22.4	70.1	24.2	73.6	24.6	68.3	18.6
Arkansas	26.1	4.7	29.5	5.1	34.6	8.0	33.4	6.8	35.6	8.0	39.0	8.8	41.2	15.2	44.7	16.4	46.7	9.0	47.3	9.6	44.5	12.0
California	54.8	16.2	57.0	17.0	60.9	18.8	63.7	20.6	63.0	19.4	67.0	24.8	68.9	30.6	71.4	29.3	72.9	28.9	74.4	30.8	73.2	32.0
Colorado	60.3	16.9	61.8	17.9	67.8	21.3	68.1	20.4	62.7	22.3	71.2	29.5	70.8	27.1	74.9	24.2	74.0	32.3	77.2	34.6	71.4	32.4
Connecticut	34.1	7.4	37.6	9.2	41.3	10.1	41.4	8.4	45.2	11.4	50.6	23.6	46.1	10.3	52.1	15.9	51.7	13.1	56.4	25.8	61.3	14.7
D.C.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	44.1	22.6	46.2	21.6	50.7	5.1	54.2	13.4*	59.7	22.2*
Delaware	43.1	12.9	37.6	11.6	46.9	8.7	42.7	10.0	38.9	12.0	42.3	10.5	49.7	18.3*	51.1	37.2*	45.1	17.9*	52.4	10.9*	53.9	0.0*
Florida	35.4	7.5	42.6	9.5	44.6	10.3	48.0	11.7	45.4	11.4	51.5	19.1	53.4	16.9	55.8	15.7	56.9	19.4	60.6	19.8	60.9	24.9
Georgia	29.3	6.2	30.1	6.7	34.2	7.5	35.7	7.3	36.3	8.2	38.0	12.5	42.2	11.1	48.3	11.2	47.4	14.7	48.0	16.1	51.1	14.7
Hawaii	61.4	19.7	67.1	19.9	70.5	20.8	74.4	28.2	67.5	25.9	75.7	43.7	80.5	37.6	85.4	54.7	81.6	33.8	83.3	35.6	84.0	48.1*
Idaho	71.8	20.9	71.4	23.1	77.7	24.2	72.6	21.4	72.2	23.1	77.0	36.4	78.9	40.6	78.4	23.5	82.5	57.8	83.7	35.5*	79.6	31.2*
Illinois	29.3	7.4	33.8	7.8	36.2	8.2	36.9	8.7	38.6	9.0	40.4	9.2	42.7	11.5	49.6	16.2	48.1	12.0	50.6	11.8	53.8	16.3
Indiana	36.7	7.7	39.3	9.6	40.8	9.2	40.2	8.7	41.9	9.2	45.0	12.1	46.9	12.2	48.6	9.9	50.7	14.7	50.7	13.1	52.2	15.3
lowa	42.1	9.4	44.1	10.7	46.1	8.8	47.9	9.8	46.9	13.1	50.9	12.0	53.2	16.3	54.7	10.5	55.8	11.2	56.1	21.1	60.9	19.5
Kansas	47.5	12.4	52.5	11.6	56.7	13.9	53.2	14.8	50.4	10.9	58.3	21.8	59.9	19.9	60.3	18.2	61.1	21.5	62.0	15.5	63.4	19.6
Kentucky	26.1	5.5	27.4	5.4	29.3	6.0	29.8	6.3	33.5	7.1	35.5	7.5	39.0	9.7	40.5	9.9	40.8	13.4	40.6	10.2	42.8	11.1
Louisiana	20.2	4.6	20.6	3.7	23.4	4.2	27.0	5.6	27.0	5.1	28.6	7.2	29.0	7.9	34.0	9.5	34.2	9.3	38.1	12.5	37.4	13.7
Maine	45.2	11.4	43.0	10.2	52.8	17.0	50.6	13.8	52.1	15.5	52.5	19.1	57.6	19.0	57.9	28.8	59.3	19.3	59.2	22.6	67.2	45.7*
Maryland	27.9	8.0	34.8	8.0	36.4	9.3	37.2	10.0	41.9	10.2	48.3	11.7	48.9	17.3	56.8	15.9	53.6	22.7	53.3	20.5	54.6	20.5
Massachusetts	44.6	10.4	47.4	11.4	46.6	11.1	50.0	14.4	49.6	14.3	55.2	23.8	55.2	15.9	58.1	21.7	56.4	29.7	59.3	22.0	61.4	26.4
Michigan	35.8	8.8	37.2	8.6	41.5	8.7	38.5	9.2	39.0	8.8	42.9	12.9	46.4	14.8	50.3	14.9	50.1	17.4	51.6	14.9	51.7	13.8
Minnesota	50.1	11.3	52.8	13.2	54.1	12.3	53.2	14.6	55.1	14.8	60.5	19.9	59.9	21.9	64.5	13.6	64.6	17.9	68.7	21.1	69.3	26.6
Mississippi	20.2	5.0	21.1	4.4	23.8	4.5	26.6	5.4	27.1	6.4	29.3	6.8	32.5	7.0	37.2	15.4	38.3	9.9	41.0	12.2	42.9	16.9
Missouri	35.8	9.0	36.5	8.7	39.1	9.5	43.4	11.0	41.6	9.8	45.3	16.0	49.3	13.0	53.5	14.4	53.7	16.4	55.6	14.2	56.1	16.1
Montana	68.7	24.3	64.5	16.9	73.8	27.2	74.0	28.4	73.4	27.1	76.3	35.7	78.8	34.7	79.7	41.9	82.4	30.4*	87.5	34.4*	83.9	40.7*
Nebraska	49.4	14.7	47.2	12.0	50.0	12.3	53.6	13.8	54.3	13.3	55.7	19.2	56.6	24.1	61.2	15.5	63.0	16.0	62.1	25.7	65.3	28.9*
Nevada	49.0	14.1	49.9	14.2	57.6	13.3	61.0	13.1	58.7	15.0	61.2	27.9	63.1	21.3	69.9	20.8	65.9	23.7	66.3	29.0*	63.4	28.8*
New Hampshire	49.6 30.1	14.2 6.7	49.0 33.7	13.1 7.4	49.2 35.6	11.3 9.3	60.2 39.4	16.0 10.6	50.8 38.6	18.5 11.7	54.8 42.4	20.7 11.6	54.4 47.1	14.3 19.2	61.9 49.4	8.8*	55.9 54.6	26.1* 19.6	59.1	45.0* 28.9	61.8	42.9*
New Jersey																15.2			53.6		56.5	21.0
New Mexico New York	60.8 38.6	18.3 11.5	61.3 42.5	19.0 12.8	64.7 43.7	20.4 13.2	61.2 45.1	19.0 13.0	63.7 46.1	19.4 14.8	68.4 49.4	23.8 16.9	69.5 51.3	29.0 24.6	71.0 54.5	21.7 24.7	72.2 56.9	34.3 22.9	77.1 56.9	35.2 25.1	74.4 58.0	30.8 28.9
North Carolina	28.1	6.9	32.7	8.0	33.7	8.3	36.7	9.9	38.9	9.6	49.4	10.9	44.7	8.9	48.6	20.0	50.9	11.2	50.5	19.8	52.7	20.5
North Dakota	52.8	17.4	47.1	14.5	50.4	6.3 14.7	54.5	17.0	56.1	16.1	63.5	29.2	61.7	22.8*	64.8	40.7*	64.1	5.9*	68.3	36.3*	56.7	11.6*
Ohio	32.3	8.2	33.7	8.0	35.4	8.7	37.6	10.1	38.0	10.1	42.4	10.8	41.7	16.4	45.0	16.7	47.1	11.8	49.8	15.0	49.4	15.8
Oklahoma	44.0	9.2	47.0	10.8	48.7	11.0	52.3	11.7	52.8	13.3	54.1	18.1	55.8	14.8	58.3	19.7	57.2	17.4	59.8	14.5	61.3	13.6
Oregon	75.3	26.2	77.5	26.7	77.0	27.2	76.9	27.5	77.5	27.0	81.0	33.6	81.7	36.0	83.9	37.4	85.0	37.9	84.4	33.4	84.9	42.7
Pennsylvania	33.4	9.6	35.6	10.7	37.3	11.1	38.7	11.3	37.9	10.3	41.2	12.8	42.1	14.0	47.3	18.5	47.3	16.8	47.0	13.0	48.7	17.1
Rhode Island	32.0	7.7	32.9	8.3	33.0	7.0	42.9	12.9	41.3	10.3	38.3	10.3	45.3	24.9	50.6	18.4	51.5	8.0	50.1	14.5	55.4	16.1*
South Carolina	24.8	5.3	28.3	5.6	32.4	8.4	36.5	7.6	34.9	8.7	35.4	9.3	39.2	12.5	41.8	14.1	42.8	12.7	45.7	15.6	44.6	10.0
South Dakota	54.6	14.8	50.6	13.0	58.7	17.2	57.9	16.0	57.4	17.0	56.1	26.9	61.2	15.3	69.7	3.7	68.8	49.8*	70.4	29.0*	69.3	39.7*
Tennessee	30.1	7.0	34.1	7.4	34.5	7.7	36.3	8.2	39.5	10.4	40.1	9.7	44.1	11.4	45.2	12.7	45.7	11.0	45.0	9.6	47.5	14.3
Texas	37.8	8.4	41.1	9.0	43.4	9.3	46.1	11.1	44.8	10.3	48.8	13.5	51.9	16.0	55.8	19.8	57.1	19.9	58.8	19.9	57.5	21.8
Utah	68.8	25.7	71.6	28.6	72.7	28.7	74.5	28.9	75.7	29.3	78.8	37.1	77.8	31.7	82.4	32.7	81.4	35.2	83.4	48.6	78.4	41.7
Vermont	38.5	7.6	49.4	12.8	50.3	13.4	59.4	16.7	56.6	14.6	58.6	22.1	57.2	25.2*	63.1	15.2*	65.9	49.4*	72.9	51.5*	64.2	37.1*
Virginia	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	43.8	18.3	46.8	15.2	47.8	20.9	46.4	15.0	51.8	15.0
•																	-					
•																						
Wyoming	66.6	17.0	67.8	20.0	62.7	19.7	69.2	22.1	70.0	18.4	71.9	10.8	71.3	22.3*	71.4	19.3*	79.8	36.3*	75.0	17.3*	74.9	41.2*
Washington West Virginia Wisconsin Wyoming	66.3 33.0 42.6 66.6	19.1 7.7 9.3 17.0	17.2 36.2 43.6 67.8	23.1 8.8 10.6 20.0	71.6 38.9 46.1 62.7	21.9 9.6 13.1 19.7	76.0 39.1 53.1 69.2	24.1 10.0 13.8 22.1	74.3 41.5 49.3 70.0	24.7 11.2 14.7 18.4	76.2 42.4 53.8 71.9	30.1 10.0 15.8 10.8	78.9 47.3 56.2 71.3	32.9 11.7 13.5 22.3*	81.0 46.5 53.2 71.4	34.1 17.0 19.9 19.3*	82.1 47.5 55.2 79.8	34.7 18.6 12.3 36.3*	82.8 49.6 58.7 75.0	33.0 20.6 20.9 17.3*	83.2 51.8 63.0 74.9	35.5 18.1 17.1 41.2*

<sup>\*</sup>N < 50, breastfeeding data for these states are highly variable.

# ROSS PRODUCTS DIVISION - MOTHERS SURVEY BREASTFEEDING RATES IN-HOSPITAL, AT SIX MONTHS AND AT 12 MONTHS All Infants and Selected Demographics

### **EXCLUSIVE BREASTFEEDING**

		In-Ho	spital			At 6 N	Months			At 12 Months					
	<u>1999</u>	2000	<u>2001</u>	<u>2002</u>	<u>1999</u>	2000	<u>2001</u>	<u>2002</u>	<u>1999</u>	2000	<u>2001</u>	<u>2002</u>			
All infants	46.3	46.0	46.3	46.1	15.8	16.0	17.2	17.4	8.4	9.6	10.4	11.0			
Primiparous	47.0	46.9	47.3	47.1	15.5	15.9	17.0	16.9	7.6	9.2	9.7	10.6			
Multiparous	45.5	45.0	45.1	44.9	16.1	16.2	17.3	17.9	9.1	10.0	11.1	11.4			
Any Grade School	26.7	28.5	29.9	27.7	13.5	14.8	13.3	14.8	11.7	12.9	19.2	15.6			
Any High School	38.6	38.5	39.0	37.2	11.8	11.5	12.7	12.1	6.3	7.5	8.1	8.1			
No College	38.3	38.3	38.8	36.9	11.8	11.6	12.7	12.2	6.4	7.6	8.3	8.3			
Any College	57.9	57.2	57.3	56.8	21.5	22.7	24.0	23.5	11.1	12.2	13.4	14.0			
Employed Full-Time	45.1	44.4	44.7	45.3	8.7	9.1	10.4	11.8	3.9	5.1	5.3	5.7			
Employed Part-Tme	49.9	49.1	50.2	50.7	15.0	15.0	16.5	17.6	7.6	9.9	9.3	10.6			
Total Employed	46.8	46.0	46.6	47.0	11.0	11.2	12.6	13.7	5.3	6.8	6.7	7.4			
Not Employed	45.9	46.0	46.1	45.2	19.7	20.4	21.2	20.5	11.7	12.5	14.2	14.5			
Less than 20 years	33.9	34.2	34.4	32.2	9.0	9.3	10.3	9.0	3.7	6.6	6.4	5.8			
20-24 years	42.2	42.2	43.3	42.4	11.6	12.3	13.9	13.6	6.2	6.6	7.4	8.2			
25-29 years	50.0	49.8	49.9	49.8	17.6	17.5	19.1	19.2	9.1	10.3	11.3	11.6			
30-34 years	52.6	52.0	51.9	52.2	20.4	20.2	21.3	22.2	10.7	11.7	12.1	13.4			
35+ years	52.0	50.6	50.4	48.8	21.0	22.3	21.8	20.6	11.6	12.4	14.8	14.1			
LBW < 5 lb 9 oz	26.6	27.6	27.1	27.3	8.0	10.5	8.4	9.9	4.5	5.4	5.4	5.7			
New England	52.9	52.2	53.6	54.1	16.4	17.2	20.6	20.9	8.6	9.5	11.6	12.5			
Middle Atlantic	38.1	37.9	38.2	38.0	13.5	13.9	15.7	15.8	7.3	8.5	8.8	8.4			
East North Central	44.7	44.7	44.6	46.2	15.1	14.4	14.0	14.4	6.3	8.5	7.9	9.3			
West North Central	54.8	55.0	56.0	56.3	13.8	15.0	15.8	18.8	7.5	8.5	8.9	9.0			
South Atlantic	43.3	42.7	42.8	43.4	14.2	14.5	15.6	17.2	7.3	9.5	9.7	9.7			
East South Central	37.3	37.0	36.9	39.0	11.0	11.0	10.8	11.7	5.7	5.7	6.6	7.4			
West South Central	41.3	41.0	41.4	39.3	13.7	13.6	13.9	14.0	7.0	7.8	8.5	9.1			
Mountain	56.5	56.2	56.4	54.6	20.6	21.6	23.4	20.7	12.1	11.8	13.7	14.2			
Pacific	54.2	53.7	54.2	53.1	21.2	21.7	24.1	23.3	12.7	13.9	16.0	17.5			
WIC	34.1	33.5	33.9	33.4	9.4	9.2	10.0	11.1	5.7	6.4	6.6	7.1			
Non-WIC	56.9	56.1	56.5	56.3	21.3	21.5	23.5	22.7	11.0	12.3	13.7	14.1			
Black	26.2	25.8	26.6	27.5	10.2	8.5	10.7	9.5	4.2	6.9	6.4	6.2			
White	52.6	52.4	52.8	54.0	17.2	18.0	18.7	19.7	9.0	10.1	10.9	12.0			
Asian	45.3	43.3	42.9	42.8	20.0	19.6	20.0	21.4	10.6	11.8	13.5	13.5			
Hispanic	35.7	36.1	36.2	37.1	13.4	13.4	16.2	15.2	9.4	9.0	12.2	11.0			