

Table 4F
2003 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

Comparison of Racial and Ethnic Distribution by Local Agency
Children Aged < 5 Years ⁽²⁾

Comparison of Racial and Ethnic Distribution by Local Agency							
Local Agency	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaskan Native %	Asian/Pacific Islander %	All Other / Unknown %
Barry-Eato	2,640	95.5	1.7	2.1	0.4	0.4	0.0
Bay	2,869	95.2	2.3	2.3	0.0	0.2	0.0
Berrien	3,528	50.8	45.8	1.9	0.5	1.0	0.0
BHS	4,179	85.6	3.6	10.6	0.0	0.1	0.0
Calhoun	4,254	65.6	24.8	8.7	0.3	0.6	0.0
Central Mi	4,540	96.9	1.2	1.3	0.3	0.3	0.0
Chippewa	1,166	63.3	1.8	1.3	33.1	0.5	0.0
Delta-Meno	1,755	98.7	0.2	0.1	0.7	0.3	0.0
Detroit	33,945	9.1	76.1	12.7	0.1	2.0	0.0
Dickinson-	1,140	98.3	0.8	0.4	0.4	0.1	0.0
District 3	2,993	95.8	1.1	1.0	1.9	0.3	0.0
District 4	1,963	98.5	0.6	0.5	0.1	0.5	0.0
District 5	7,791	83.2	2.5	13.3	0.7	0.3	0.0
District H	1,697	97.5	1.3	0.8	0.2	0.2	0.0
Genesee	11,691	49.8	46.0	3.4	0.2	0.5	0.0
Grand Trav	1,911	90.1	2.1	5.2	1.6	1.0	0.0
HDI	2,549	10.0	55.1	34.7	0.1	0.0	0.0
Huron	965	95.0	0.8	3.5	0.4	0.2	0.0
Ingham	5,967	53.8	26.5	15.5	0.2	4.0	0.0

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Intercare	12,265	63.7	4.8	29.8	0.1	1.6	0.0
Ionia	1,454	85.4	1.9	11.9	0.4	0.4	0.0
Jackson	4,572	72.8	20.0	6.3	0.5	0.3	0.0
Kal Family	2,477	28.3	55.3	15.0	0.4	1.0	0.0
Kalamazoo	3,313	78.4	17.6	3.2	0.1	0.8	0.0
Kent	17,269	38.0	26.6	32.0	0.5	2.8	0.0
Keweenaw B	228	13.6	0.0	2.2	83.3	0.9	0.0
Lapeer	1,754	96.8	0.6	2.3	0.2	0.1	0.0
Leelanau	753	74.1	0.8	17.9	7.0	0.1	0.0
Livingston	1,088	95.0	1.9	2.3	0.0	0.7	0.0
LMAS	1,040	86.4	1.3	0.6	11.3	0.4	0.0
Macomb	8,958	77.2	14.7	4.5	0.3	3.3	0.0
Marquette	1,320	93.6	2.7	1.3	2.2	0.3	0.0
Mid-Mich	3,218	94.7	2.0	3.1	0.1	0.1	0.0
MM Comm	1,649	95.3	3.0	1.2	0.3	0.2	0.0
Monroe	2,640	90.2	6.9	2.8	0.0	0.0	0.0
Muskegon	5,776	58.9	30.4	9.2	0.9	0.6	0.0
Oakland	12,634	52.7	30.7	14.0	0.3	2.4	0.0
Region II	2,021	67.9	5.8	25.8	0.1	0.4	0.0

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Saginaw	5,122	56.7	33.3	9.8	0.1	0.2	0.0
Saginaw-Ch	33	*	*	*	*	*	*
Sanilac	1,106	96.6	0.5	2.5	0.1	0.3	0.0
Shiawassee	1,864	95.8	1.1	2.5	0.4	0.2	0.0
St Clair	3,926	87.0	6.9	4.6	1.1	0.5	0.0
Tuscola	1,560	98.8	0.8	0.3	0.0	0.1	0.0
U Of M	31	*	*	*	*	*	*
Urban Leag	6,853	14.3	72.8	11.0	0.2	1.7	0.0
Washtenaw	4,814	43.7	41.9	6.6	0.1	7.7	0.0
Wayne	13,431	78.1	19.3	2.2	0.1	0.3	0.0
Western UP	1,658	96.5	1.0	1.0	0.4	1.1	0.0
Michigan	222,370	57.7	29.1	11.1	0.7	1.4	0.0
Nation (Prior Year)	5,333,226	39.1	20.8	32.2	1.2	3.3	3.5

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Table 5F
2003 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Age Distribution by Local Agency
Children Aged < 5 Years (2)

Comparison of Age Distribution by Local Agency				
Local Agency	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Barry-Eato	2,640	35.7	19.5	44.7
Bay	2,869	34.2	21.6	44.3
Berrien	3,528	31.8	21.9	46.3
BHS	4,179	36.3	19.8	43.9
Calhoun	4,254	40.2	19.9	39.9
Central Mi	4,540	34.4	21.9	43.7
Chippewa	1,166	34.5	18.8	46.7
Delta-Meno	1,755	29.5	21.7	48.8
Detroit	33,945	36.0	21.8	42.2
Dickinson-	1,140	32.5	20.0	47.5
District 3	2,993	31.5	20.6	47.8
District 4	1,963	29.5	21.8	48.7
District 5	7,791	34.5	20.2	45.4
District H	1,697	34.0	20.3	45.7
Genesee	11,691	40.0	18.7	41.3
Grand Trav	1,911	33.9	21.1	45.1
HDI	2,549	28.8	18.7	52.6
Huron	965	34.0	18.7	47.4

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Ingham	5,967	32.7	22.3	45.0
Intercare	12,265	33.4	20.9	45.7
Ionia	1,454	39.0	19.4	41.6
Jackson	4,572	37.0	20.6	42.4
Kal Family	2,477	36.7	18.0	45.3
Kalamazoo	3,313	37.6	18.8	43.6
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Lapeer	1,754	37.5	21.6	40.9
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Region II	2,021	39.9	19.7	40.4
Saginaw	5,122	33.3	21.9	44.7
Saginaw-Ch	33	*	*	*
Sanilac	1,106	36.5	20.3	43.1
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Tuscola	1,560	36.9	20.6	42.5
U Of M	31	*	*	*
Urban Leag	6,853	34.6	19.3	46.1
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Western UP	1,658	34.9	17.9	47.3
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Nation (Prior Year)	5,333,226	36.6	21.7	41.7

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Table 6F
2003 Pediatric Nutrition Surveillance (1)
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Comparison of Growth and Anemia Indicators by Local Agency
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators by Local Agency ^(3,4)												
Local Agency	Birthweight (5)			Height and Weight						Anemia Low Hb/Hct (8)		
	Low	High		Short Stature (6)	Under- weight (7)	Over- weight (7)	≥ 2 Yrs Over- weight (7)					
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
Barry-Eato	570	8.9 (26)	8.2 (17)	2,565	8.2(39)	4.0(27)	12.3(18)	1,151	21.0(45)	13.2(22)	1,641	5.6 (9)
Bay	633	7.1 (8)	11.4 (40)	2,794	8.9(44)	2.3 (3)	12.3(18)	1,238	15.4(12)	14.0(25)	1,748	10.5 (25)
Berrien	679	10.8 (41)	8.0 (13)	3,470	5.9(14)	2.5 (8)	11.8(13)	1,598	14.8 (7)	10.9 (5)	2,377	21.0 (41)
BHS	909	7.3 (12)	8.0 (13)	4,107	7.7(35)	3.7(22)	16.0(44)	1,803	18.9(41)	19.1(47)	2,610	10.4 (23)
Calhoun	1,134	9.9 (36)	7.7 (11)	4,125	9.3(46)	3.5(20)	13.7(32)	1,664	17.8(33)	14.8(38)	2,485	16.7 (39)
Central Mi	1,004	8.2 (19)	9.7 (31)	4,466	6.0(15)	3.1(17)	11.5(12)	1,949	15.9(16)	12.7(17)	2,961	7.8 (16)
Chippewa	253	3.2 (1)	12.6 (44)	1,151	6.0(15)	2.4 (6)	14.2(38)	542	19.2(43)	13.1(20)	787	6.0 (10)
Delta-Meno	363	8.0 (15)	11.0 (37)	1,713	5.0 (4)	2.8(11)	9.6 (2)	834	18.8(39)	12.4(16)	1,128	2.7 (1)
Detroit	7,855	11.9 (45)	6.6 (7)	32,846	7.9(37)	6.2(43)	12.8(24)	13,866	12.2 (2)	9.7 (3)	19,752	19.3 (40)
Dickinson-	241	6.2 (5)	12.9 (45)	1,107	6.2(22)	2.3 (3)	12.3(18)	526	18.3(35)	14.4(35)	755	7.9 (17)
District 3	568	8.3 (21)	7.4 (10)	2,901	4.0 (1)	4.8(34)	13.0(29)	1,397	16.1(19)	13.4(23)	2,011	4.7 (6)

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(6) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.
(7) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies children at risk of overweight.
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Comparison of Growth and Anemia Indicators by Local Agency ^(3,4)												
Local Agency	Birthweight (5)			Height and Weight						Anemia Low Hb/Hct (8)		
	Low	High		Short Stature (6)	Under- weight (7)	Over- weight (7)	≥ 2 Yrs Over- weight (7)					
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
District 4	387	8.0 (15)	9.0 (24)	1,929	5.4 (8)	2.9(14)	12.2(17)	943	14.4 (5)	14.3(32)	1,342	10.1 (21)
District 5	1,840	7.6 (13)	10.4 (35)	7,581	6.1(19)	3.4(19)	10.7 (6)	3,445	16.4(21)	11.8 (9)	4,906	14.2 (34)
District H	283	4.2 (2)	12.4 (42)	1,669	5.6(10)	4.6(32)	12.0(15)	769	17.6(29)	11.6 (7)	1,064	12.2 (31)
Genesee	2,828	10.7 (40)	6.5 (5)	11,459	5.5 (9)	4.5(29)	11.0 (9)	4,735	16.7(23)	12.8(19)	6,953	24.3 (46)
Grand Trav	454	8.4 (22)	11.0 (37)	1,881	6.4(26)	5.2(37)	12.9(28)	859	17.3(26)	12.2(15)	1,177	13.8 (32)
HDI	517	10.8 (41)	4.6 (2)	2,449	6.7(28)	2.4 (6)	17.7(45)	1,320	17.0(24)	14.3(32)	1,757	16.5 (38)
Huron	202	8.9 (26)	12.4 (42)	949	5.2 (6)	4.4(28)	11.3(11)	443	14.0 (4)	11.1 (6)	607	7.6 (14)
Ingham	964	10.1 (38)	9.2 (25)	5,824	6.3(24)	3.8(25)	12.4(22)	2,614	17.5(28)	14.1(27)	4,103	11.8 (28)
Intercare	2,278	8.6 (24)	8.9 (23)	11,835	8.2(39)	4.5(29)	14.0(34)	5,461	17.1(25)	13.8(24)	7,739	10.4 (23)
Ionia	359	7.8 (14)	10.0 (34)	1,423	5.3 (7)	4.6(32)	10.8 (7)	590	18.8(39)	14.1(27)	920	7.1 (13)
Jackson	1,195	8.1 (17)	8.8 (21)	4,436	7.4(34)	5.6(40)	12.8(24)	1,868	18.6(37)	14.8(38)	2,508	5.3 (8)

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	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
Kal Family	575	13.0 (46)	7.8 (12)	2,408	5.8(12)	6.8(45)	12.4(22)	1,092	15.1 (9)	13.1(20)	1,570	28.7 (47)
Kalamazoo	794	9.4 (32)	9.8 (32)	3,200	8.6(42)	4.5(29)	14.1(36)	1,416	17.8(33)	15.7(43)	1,926	22.1 (43)
Kent	3,717	8.2 (19)	9.5 (27)	16,828	6.7(28)	2.8(11)	13.5(31)	7,696	17.6(29)	14.5(37)	10,909	3.5 (3)
Keweenaw B	47	* *	* *	226	4.4 (3)	2.7(10)	14.6(41)	119	21.0(45)	11.8 (9)	142	23.2 (44)
Lapeer	442	7.2 (11)	11.1 (39)	1,717	9.4(47)	3.3(18)	13.9(33)	706	18.3(35)	16.3(44)	1,087	9.5 (19)
Leelanau	159	11.3 (43)	9.4 (26)	738	9.2(45)	5.1(36)	17.9(47)	335	15.5(14)	17.9(45)	474	10.3 (22)
Livingston	290	10.3 (39)	16.2 (46)	1,069	6.1(19)	3.6(21)	12.1(16)	416	11.1 (1)	8.9 (1)	665	2.7 (1)
LMAS	203	4.4 (3)	9.9 (33)	1,010	4.2 (2)	4.9(35)	14.3(39)	502	18.7(38)	18.1(46)	688	11.0 (27)
Macomb	2,486	9.1 (30)	8.8 (21)	8,798	6.1(19)	2.6 (9)	14.3(39)	3,120	15.1 (9)	10.7 (4)	5,085	11.8 (28)
Marquette	309	5.8 (4)	10.7 (36)	1,294	7.7(35)	1.5 (1)	12.8(24)	582	22.3(47)	14.1(27)	765	7.6 (14)
Mid-Mich	757	6.5 (7)	7.3 (9)	3,161	6.3(24)	3.0(15)	14.1(36)	1,370	17.3(26)	14.4(35)	1,865	9.5 (19)

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MM Comm	366	7.1 (8)	9.6 (28)	1,614	8.6(42)	2.3 (3)	17.7(45)	719	16.3(20)	11.8 (9)	1,084	10.6 (26)
Monroe	680	8.4 (22)	8.2 (17)	2,578	7.1(32)	2.0 (2)	13.1(30)	1,047	17.7(32)	14.1(27)	1,461	14.5 (35)
Muskegon	1,192	9.0 (29)	8.1 (15)	5,581	6.0(15)	5.3(38)	10.3 (4)	2,736	16.5(22)	12.0(13)	3,387	15.3 (36)
Oakland	3,182	10.0 (37)	8.1 (15)	12,401	6.2(22)	3.9(26)	10.3 (4)	5,049	15.0 (8)	11.7 (8)	7,832	14.0 (33)
Region II	523	7.1 (8)	4.4 (1)	1,964	7.2(33)	6.1(41)	14.0(34)	801	14.5 (6)	15.6(41)	1,066	15.5 (37)
Saginaw	1,156	9.6 (34)	8.3 (19)	4,861	8.0(38)	2.8(11)	15.4(43)	2,226	18.9(41)	15.1(40)	3,501	6.7 (12)
Saginaw-Ch	8	* *	* *	32	* *	* *	* *	12	* *	* *	19	* *
Sanilac	261	8.8 (25)	5.4 (3)	1,094	5.0 (4)	5.4(39)	9.1 (1)	473	15.2(11)	12.7(17)	693	4.2 (5)
Shiawassee	447	8.1 (17)	9.6 (28)	1,773	6.5(27)	6.9(46)	12.8(24)	850	19.2(43)	15.6(41)	1,228	6.3 (11)
St Clair	974	9.4 (32)	6.2 (4)	3,808	5.7(11)	7.4(47)	10.8 (7)	1,696	15.4(12)	12.1(14)	2,447	9.3 (18)
Tuscola	394	8.9 (26)	9.6 (28)	1,531	6.9(31)	3.7(22)	12.3(18)	641	15.6(15)	14.2(31)	981	4.1 (4)

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(3) Excludes records with unknown data or errors.
(4) Rank compares this local agency's rate to other local agencies. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.
(7) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies children at risk of overweight.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6F
2003 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by Local Agency
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators by Local Agency ^(3,4)												
Local Agency	Birthweight (5)			Height and Weight						Anemia Low Hb/Hct (8)		
	Low		High	Short Stature (6)		Under- weight (7)	Over- weight (7)	≥ 2 Yrs Over- weight (7)				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
U Of M	6	* *	* *	30	* *	* *	* *	16	* *	* *	12	* *
Urban Leag	1,216	11.7 (44)	6.5 (5)	6,578	8.2(39)	6.2(43)	14.8(42)	3,080	15.9(16)	14.3(32)	2,507	23.5 (45)
Washtenaw	1,140	9.7 (35)	7.2 (8)	4,695	6.0(15)	6.1(41)	11.2(10)	1,917	16.0(18)	11.8 (9)	2,900	21.1 (42)
Wayne	3,570	9.3 (31)	8.5 (20)	13,068	6.7(28)	3.0(15)	11.9(14)	4,956	17.6(29)	14.0(25)	7,709	11.9 (30)
Western UP	382	6.3 (6)	12.3 (41)	1,625	5.8(12)	3.7(22)	9.7 (3)	774	13.0 (3)	8.9 (1)	916	5.2 (7)
Michigan	50,792	9.4	8.3	216,362	6.9	4.3	12.7	93,962	16.1	12.9	134,250	13.1
Nation (Prior Year)	1,208,400	8.9	7.6	4,913,316	6.3	5.4	13.5	2,069,605	15.4	14.3	3,295,974	13.1

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(5) Infants born during the reporting period included in the analysis.
(6) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.
(7) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies children at risk of overweight.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
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Table 7F
2003 Pediatric Nutrition Surveillance (1)
Michigan

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency (2)
Children Aged < 5 Years (3)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency ^(4,5)						
Local Agency	Breastfeeding (6)					
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)
Barry-Eato	623	52.5 (20)	515	11.7 (28)	426	10.8 (24)
Bay	652	50.2 (24)	488	11.1 (37)	433	7.4 (41)
Berrien	694	41.4 (39)	923	11.6 (31)	671	11.0 (23)
BHS	996	51.6 (21)	773	13.8 (23)	623	10.8 (24)
Calhoun	1,176	40.5 (42)	915	10.8 (38)	683	6.9 (43)
Central Mi	1,062	57.7 (14)	911	11.7 (28)	799	10.0 (31)
Chippewa	258	56.2 (17)	192	25.0 (4)	159	15.1 (8)
Delta-Meno	366	46.2 (32)	295	10.8 (38)	284	8.1 (36)
Detroit	8,330	38.7 (44)	6,139	13.5 (24)	5,291	12.7 (15)
Dickinson-	243	57.2 (15)	205	16.6 (16)	164	11.6 (21)
District 3	625	64.3 (5)	528	17.8 (12)	484	16.1 (7)
District 4	390	60.3 (10)	369	19.0 (10)	328	13.7 (12)
District 5	1,878	58.1 (12)	1,299	15.5 (19)	1,170	13.4 (13)

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(3) Analyses based on one record per child.

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(5) Rank compares this local agency's rate to other local agencies. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

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Table 7F
2003 Pediatric Nutrition Surveillance (1)
Michigan

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency (2)
Children Aged < 5 Years (3)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency ^(4,5)						
Local Agency	Breastfeeding (6)					
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)
District H	372	44.1 (35)	321	7.8 (45)	252	10.7 (27)
Genesee	3,104	34.0 (45)	2,166	8.2 (44)	1,588	6.2 (45)
Grand Trav	460	73.9 (2)	395	29.4 (2)	314	23.2 (1)
HDI	519	39.9 (43)	352	8.8 (43)	320	11.3 (22)
Huron	205	45.4 (33)	185	6.5 (46)	132	4.5 (46)
Ingham	1,061	62.2 (7)	1,290	16.7 (15)	1,021	14.8 (9)
Intercare	2,817	59.1 (11)	2,157	19.2 (9)	1,929	14.8 (9)
Ionia	360	46.7 (29)	272	14.7 (21)	225	10.2 (30)
Jackson	1,216	50.0 (25)	1,031	10.8 (38)	715	7.8 (38)
Kal Family	614	48.9 (27)	421	11.6 (31)	347	7.2 (42)
Kalamazoo	840	41.9 (38)	601	24.6 (5)	417	18.9 (4)
Kent	3,816	60.8 (9)	3,396	16.8 (14)	2,774	12.0 (19)
Keweenaw B	47	* *	35	* *	31	* *

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* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7F
2003 Pediatric Nutrition Surveillance (1)
Michigan

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency (2)
Children Aged < 5 Years (3)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency ^(4,5)						
Local Agency	Breastfeeding (6)					
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)
Lapeer	447	51.2 (22)	346	14.7 (21)	293	9.6 (32)
Leelanau	170	77.1 (1)	139	30.2 (1)	112	20.5 (2)
Livingston	297	65.0 (4)	206	20.4 (8)	156	12.8 (14)
LMAS	207	49.3 (26)	179	15.6 (18)	189	12.2 (18)
Macomb	2,578	44.3 (34)	2,059	11.2 (35)	1,484	8.1 (36)
Marquette	315	61.3 (8)	229	23.1 (6)	189	14.3 (11)
Mid-Mich	819	51.2 (22)	654	15.0 (20)	388	12.4 (17)
MM Comm	368	66.0 (3)	315	16.5 (17)	270	11.9 (20)
Monroe	700	46.4 (30)	574	11.7 (28)	448	7.6 (39)
Muskegon	1,216	42.4 (37)	822	11.6 (31)	988	7.5 (40)
Oakland	3,282	46.3 (31)	2,378	17.7 (13)	1,820	12.5 (16)
Region II	525	43.8 (36)	466	12.9 (25)	287	10.8 (24)
Saginaw	1,161	41.2 (40)	681	9.1 (42)	717	6.3 (44)

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(4) Excludes records with unknown data or errors.

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* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7F
2003 Pediatric Nutrition Surveillance (1)
Michigan

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency (2)
Children Aged < 5 Years (3)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency ^(4,5)						
Local Agency	Breastfeeding (6)					
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)
Saginaw-Ch	9	* *	9	* *	5	* *
Sanilac	264	52.7 (19)	185	12.4 (27)	161	10.6 (28)
Shiawassee	451	55.9 (18)	278	12.9 (25)	293	10.6 (28)
St Clair	990	40.6 (41)	759	11.2 (35)	538	8.6 (35)
Tuscola	399	56.9 (16)	307	9.4 (41)	236	8.9 (34)
U Of M	6	* *	2	* *	3	* *
Urban Leag	1,636	29.3 (46)	1,078	11.4 (34)	928	9.4 (33)
Washtenaw	1,196	58.1 (12)	904	27.4 (3)	704	19.9 (3)
Wayne	3,796	47.7 (28)	2,526	18.3 (11)	2,064	17.3 (6)
Western UP	397	63.5 (6)	275	21.1 (7)	187	18.7 (5)
Michigan	53,953	48.0	41,545	14.7	34,040	11.8
Nation (Prior Year)	969,228	52.5	527,765	20.8	555,990	12.3

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Table 6F
2001 - 2003 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by Local Agency
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators by Local Agency ^(3,4)												
Local Agency	Birthweight (5)			Height and Weight							Anemia Low Hb/Hct (8)	
	Low	High		Short Stature (6)	Under- weight (7)	Over- weight (7)		≥ 2 Yrs Over- weight (7)				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
Barry-Eato	1,777	8.4 (20)	8.7 (19)	7,518	8.2(41)	4.4(30)	12.4(25)	3,223	19.9(43)	13.2(23)	5,103	7.9 (14)
Bay	1,995	7.3 (11)	11.6 (39)	8,408	8.1(38)	2.5 (8)	13.0(32)	3,795	15.6 (9)	14.3(35)	5,633	12.1 (26)
Berrien	2,560	9.3 (35)	7.9 (10)	11,602	6.6(18)	2.4 (7)	12.2(21)	5,166	15.1 (6)	10.9 (5)	8,462	26.6 (46)
BHS	2,825	7.9 (17)	8.7 (19)	12,268	7.5(32)	3.8(22)	14.8(42)	5,223	18.0(37)	17.3(46)	8,368	9.1 (19)
Calhoun	3,274	8.4 (20)	8.9 (24)	12,126	8.8(44)	4.0(26)	12.7(28)	4,968	16.9(27)	13.0(20)	7,781	16.6 (38)
Central Mi	3,103	8.4 (20)	10.2 (32)	13,636	6.9(24)	3.5(17)	11.2(12)	5,964	16.0(15)	12.4(15)	9,597	8.7 (17)
Chippewa	734	4.8 (2)	12.0 (43)	3,438	6.6(18)	2.1 (2)	16.8(46)	1,607	20.5(46)	14.6(41)	2,423	7.1 (10)
Delta-Meno	1,126	7.7 (16)	12.1 (44)	5,088	5.8 (8)	2.7 (9)	9.7 (3)	2,393	17.7(35)	12.5(17)	3,567	3.4 (1)
Detroit	25,126	12.4 (46)	6.2 (5)	101,232	8.0(37)	6.5(42)	12.1(19)	41,698	12.1 (2)	9.7 (3)	66,162	20.1 (44)
Dickinson-	714	5.6 (3)	14.3 (47)	3,226	6.2(14)	2.7 (9)	12.5(26)	1,539	18.5(40)	13.8(30)	2,339	7.1 (10)
District 3	1,656	8.2 (19)	8.8 (22)	8,457	4.9 (3)	4.3(28)	12.5(26)	4,025	16.0(15)	13.1(22)	6,155	5.3 (6)

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(6) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.
(7) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies children at risk of overweight.
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Table 6F
2001 - 2003 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by Local Agency
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators by Local Agency ^(3,4)												
Local Agency	Birthweight (5)			Height and Weight						Anemia Low Hb/Hct (8)		
	Low	High		Short Stature (6)	Under- weight (7)	Over- weight (7)		≥ 2 Yrs Over- weight (7)				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
District 4	1,261	7.4 (14)	10.4 (33)	6,114	5.2 (4)	3.1(15)	12.3(23)	2,935	16.5(24)	13.5(27)	4,444	11.6 (25)
District 5	5,367	7.1 (9)	10.7 (35)	23,058	6.7(20)	3.5(17)	10.7 (8)	10,503	15.9(13)	12.1(13)	15,894	14.9 (36)
District H	892	6.8 (8)	10.5 (34)	5,227	5.9(10)	4.9(32)	12.2(21)	2,397	16.6(26)	11.1 (6)	3,582	12.2 (29)
Genesee	8,492	11.0 (44)	6.7 (6)	35,137	5.8 (8)	4.7(31)	10.9 (9)	14,758	16.3(20)	12.3(14)	23,229	19.6 (43)
Grand Trav	1,266	8.8 (27)	11.7 (40)	5,462	6.9(24)	5.6(38)	12.3(23)	2,408	17.2(31)	12.4(15)	3,751	13.0 (32)
HDI	1,495	13.0 (47)	6.0 (2)	7,158	7.3(30)	2.3 (5)	18.1(47)	3,802	16.0(15)	14.5(39)	5,312	18.5 (42)
Huron	618	6.0 (5)	12.9 (46)	2,932	5.7 (7)	3.9(23)	10.9 (9)	1,400	15.0 (5)	10.5 (4)	2,112	14.3 (35)
Ingham	3,476	10.7 (42)	8.9 (24)	18,451	7.1(27)	5.3(35)	11.2(12)	7,867	17.0(28)	13.0(20)	13,052	12.1 (26)
Intercare	7,317	8.4 (20)	9.2 (27)	35,630	8.5(42)	4.3(28)	14.3(41)	16,123	16.3(20)	14.1(32)	25,041	10.7 (23)
Ionia	1,128	8.9 (28)	8.6 (17)	4,436	6.7(20)	5.5(37)	11.0(11)	1,876	20.0(44)	14.4(38)	3,059	8.3 (16)
Jackson	3,313	8.5 (24)	8.7 (19)	12,800	7.7(33)	6.6(43)	11.7(15)	5,397	17.3(34)	14.1(32)	8,009	6.9 (9)

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Children Aged < 5 Years (2)

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Local Agency	Birthweight (5)			Height and Weight							Anemia Low Hb/Hct (8)	
	Low	High		Short Stature (6)	Under- weight (7)	Over- weight (7)		≥ 2 Yrs Over- weight (7)				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
Kal Family	1,528	10.8 (43)	7.9 (10)	6,783	8.1(38)	6.8(45)	11.8(17)	3,145	15.5 (8)	12.8(18)	4,686	27.9 (47)
Kalamazoo	2,576	8.9 (28)	10.0 (30)	9,318	10.1(47)	7.1(47)	11.4(14)	3,938	18.1(38)	14.2(34)	5,195	17.6 (40)
Kent	11,156	8.5 (24)	9.2 (27)	49,513	7.1(27)	3.0(13)	13.0(32)	22,082	16.4(22)	13.8(30)	34,853	4.1 (4)
Keweenaw B	138	4.3 (1)	10.1 (31)	655	3.7 (1)	2.0 (1)	16.2(44)	333	21.6(47)	15.3(42)	437	12.1 (26)
Lapeer	1,323	7.3 (11)	11.2 (38)	5,166	9.1(46)	3.5(17)	12.9(30)	2,205	20.0(44)	16.0(44)	3,505	9.2 (21)
Leelanau	447	9.4 (37)	11.0 (37)	2,157	8.5(42)	4.9(32)	15.9(43)	990	16.0(15)	16.6(45)	1,486	11.0 (24)
Livingston	890	7.9 (17)	12.8 (45)	3,373	5.5 (6)	3.9(23)	11.9(18)	1,314	11.9 (1)	8.5 (1)	2,264	3.8 (2)
LMAS	640	6.3 (7)	10.8 (36)	3,154	4.8 (2)	5.1(34)	12.7(28)	1,547	19.5(42)	17.5(47)	2,314	9.5 (22)
Macomb	7,477	9.1 (32)	8.6 (17)	27,200	6.4(16)	2.8(12)	13.4(37)	10,375	14.8 (4)	11.5 (9)	17,492	12.6 (30)
Marquette	916	6.2 (6)	11.8 (41)	3,894	6.7(20)	2.2 (4)	13.1(35)	1,751	18.6(41)	14.5(39)	2,499	9.1 (19)
Mid-Mich	2,249	7.4 (14)	9.0 (26)	9,508	7.9(35)	2.7 (9)	14.1(38)	4,050	18.3(39)	14.3(35)	6,231	8.7 (17)

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(6) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.
(7) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies children at risk of overweight.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
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Table 6F
2001 - 2003 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by Local Agency
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators by Local Agency ^(3,4)												
Local Agency	Birthweight (5)			Height and Weight						Anemia Low Hb/Hct (8)		
	Low	High		Short Stature (6)	Under- weight (7)	Over- weight (7)		≥ 2 Yrs Over- weight (7)				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
MM Comm	1,136	9.4 (37)	8.8 (22)	4,915	7.9(35)	2.3 (5)	16.2(44)	2,202	15.8(11)	11.6(10)	3,589	12.8 (31)
Monroe	2,022	8.9 (28)	7.2 (8)	8,001	7.1(27)	2.1 (2)	12.9(30)	3,365	17.1(30)	13.6(28)	5,150	16.7 (39)
Muskegon	3,918	10.3 (41)	8.5 (16)	16,972	6.2(14)	5.4(36)	10.1 (4)	7,997	16.4(22)	11.9(12)	11,205	14.9 (36)
Oakland	9,013	10.0 (39)	8.0 (12)	36,343	6.4(16)	4.1(27)	9.6 (2)	14,548	15.1 (6)	11.3 (8)	24,786	13.6 (33)
Region II	1,552	7.3 (11)	5.9 (1)	5,903	7.8(34)	6.8(45)	13.0(32)	2,419	17.2(31)	15.5(43)	3,590	6.7 (8)
Saginaw	3,738	10.0 (39)	8.0 (12)	15,311	8.8(44)	3.0(13)	14.2(40)	6,946	17.7(35)	13.7(29)	11,172	8.2 (15)
Saginaw-Ch	35	* *	* *	128	12.5(48)	3.1(15)	25.8(48)	40	* *	* *	78	* *
Sanilac	782	9.1 (32)	7.0 (7)	3,180	5.3 (5)	5.6(38)	8.2 (1)	1,375	17.2(31)	12.8(18)	2,131	3.8 (2)
Shiawassee	1,375	8.6 (26)	8.4 (14)	5,353	8.1(38)	6.2(40)	11.7(15)	2,497	17.0(28)	14.3(35)	3,926	7.5 (12)
St Clair	2,804	9.1 (32)	6.0 (2)	11,382	6.1(13)	7.4(48)	10.3 (6)	5,066	15.8(11)	11.8(11)	7,955	7.8 (13)
Tuscola	1,139	7.1 (9)	9.7 (29)	4,596	6.8(23)	3.5(17)	13.3(36)	1,952	15.9(13)	13.4(26)	3,144	6.2 (7)

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Michigan
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Children Aged < 5 Years (2)

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Local Agency	Birthweight (5)			Height and Weight							Anemia Low Hb/Hct (8)	
	Low		High	Short Stature (6)		Under- weight (7)	Over- weight (7)	≥ 2 Yrs Over- weight (7)				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% <5th (Rank)	% <5th (Rank)	% ≥95th (Rank)	Number	% 85th- <95th (Rank)	% ≥95th (Rank)	Number	% (Rank)
U Of M	15	* *	* *	71	* *	* *	* *	36	* *	* *	54	* *
Urban Leag	3,601	11.9 (45)	6.1 (4)	17,229	7.4(31)	6.3(41)	14.1(38)	8,105	16.0(15)	13.3(24)	7,806	18.4 (41)
Washtenaw	3,573	8.9 (28)	7.7 (9)	13,821	6.0(11)	6.6(43)	10.2 (5)	5,544	15.7(10)	11.2 (7)	8,839	21.1 (45)
Wayne	11,298	9.3 (35)	8.4 (14)	42,032	6.9(24)	3.5(17)	12.1(19)	16,163	16.5(24)	13.3(24)	27,645	13.9 (34)
Western UP	1,060	5.8 (4)	11.8 (41)	5,048	6.0(11)	3.9(23)	10.3 (6)	2,428	13.0 (3)	9.1 (2)	3,235	4.9 (5)
Michigan	155,916	9.5	8.3	654,410	7.2	4.5	12.2	281,480	15.8	12.5	438,342	13.4

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Table 7F
2001 - 2003 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency ⁽²⁾
Children Aged < 5 Years ⁽³⁾

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency ^(4,5)						
Local Agency	Breastfeeding (6)					
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)
Barry-Eato	2,171	55.3 (17)	1,877	11.9 (26)	1,452	10.1 (21)
Bay	2,263	50.8 (23)	1,903	10.2 (37)	1,566	6.9 (41)
Berrien	3,078	44.3 (38)	3,081	10.5 (32)	2,442	8.9 (29)
BHS	3,481	48.9 (26)	2,935	12.1 (25)	2,298	10.0 (22)
Calhoun	3,680	41.3 (43)	3,035	8.9 (43)	2,261	6.5 (43)
Central Mi	3,634	53.8 (20)	3,261	10.5 (32)	2,706	8.8 (30)
Chippewa	841	59.2 (9)	735	23.1 (3)	603	16.7 (4)
Delta-Meno	1,326	46.4 (32)	1,187	10.5 (32)	1,011	7.3 (39)
Detroit	30,872	38.1 (45)	24,752	12.2 (24)	19,927	10.9 (15)
Dickinson-	815	56.1 (16)	713	14.6 (16)	586	10.4 (19)
District 3	2,161	63.5 (5)	1,880	19.0 (7)	1,621	15.7 (7)
District 4	1,477	59.2 (9)	1,360	17.4 (8)	1,198	13.3 (11)
District 5	6,119	59.1 (11)	5,063	14.9 (15)	4,369	11.2 (14)

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Table 7F
2001 - 2003 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency ⁽²⁾
Children Aged < 5 Years ⁽³⁾

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency ^(4,5)						
Local Agency	Breastfeeding (6)					
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)
District H	1,343	48.2 (27)	1,178	10.7 (30)	949	9.6 (25)
Genesee	10,428	35.0 (46)	8,279	7.1 (47)	6,202	5.0 (47)
Grand Trav	1,503	74.0 (1)	1,344	29.2 (1)	1,100	22.3 (1)
HDI	1,649	41.4 (42)	1,373	11.9 (26)	1,218	8.5 (32)
Huron	689	44.8 (37)	644	7.6 (46)	497	6.0 (45)
Ingham	5,143	60.3 (7)	4,820	16.2 (11)	3,692	13.9 (9)
Intercare	9,784	58.5 (14)	8,474	17.3 (9)	6,967	13.5 (10)
Ionia	1,245	45.6 (36)	1,060	13.1 (22)	816	9.1 (27)
Jackson	3,688	52.2 (22)	3,245	10.1 (38)	2,503	7.4 (38)
Kal Family	1,823	48.1 (28)	1,473	9.5 (41)	1,195	6.5 (43)
Kalamazoo	2,861	43.0 (40)	2,317	16.3 (10)	1,622	12.5 (12)
Kent	13,396	58.8 (13)	12,217	14.4 (18)	9,824	10.4 (19)
Keweenaw B	154	48.1 (28)	131	14.5 (17)	120	10.8 (17)

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Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Local Agency ^(4,5)						
Local Agency	Breastfeeding (6)					
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)
Lapeer	1,515	53.2 (21)	1,239	13.6 (20)	930	9.0 (28)
Leelanau	561	73.6 (2)	504	26.0 (2)	402	20.1 (2)
Livingston	1,055	66.4 (3)	847	15.7 (13)	642	10.9 (15)
LMAS	726	50.8 (23)	680	13.2 (21)	618	10.8 (17)
Macomb	8,798	46.1 (34)	7,332	11.0 (28)	5,206	7.7 (36)
Marquette	1,038	60.3 (7)	869	20.0 (6)	717	16.3 (6)
Mid-Mich	2,732	50.8 (23)	2,348	12.3 (23)	1,682	9.9 (24)
MM Comm	1,290	65.0 (4)	1,160	16.0 (12)	949	12.4 (13)
Monroe	2,338	46.1 (34)	2,038	10.0 (39)	1,525	8.2 (35)
Muskegon	4,476	42.3 (41)	3,529	9.8 (40)	3,408	6.8 (42)
Oakland	10,973	46.7 (31)	9,132	13.8 (19)	6,679	10.0 (22)
Region II	1,818	46.3 (33)	1,562	9.5 (41)	1,065	8.3 (34)
Saginaw	4,061	43.2 (39)	3,174	8.3 (45)	2,837	5.4 (46)

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	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)
Saginaw-Ch	48	* *	39	* *	29	* *
Sanilac	879	56.5 (15)	749	10.7 (30)	567	8.8 (30)
Shiawassee	1,553	55.0 (18)	1,238	11.0 (28)	1,113	8.4 (33)
St Clair	3,112	40.2 (44)	2,643	10.5 (32)	2,096	7.2 (40)
Tuscola	1,274	54.9 (19)	1,110	10.4 (36)	880	9.2 (26)
U Of M	19	* *	14	* *	16	* *
Urban Leag	4,828	31.1 (47)	3,776	8.8 (44)	3,087	7.6 (37)
Washtenaw	4,242	58.9 (12)	3,461	21.9 (4)	2,606	17.4 (3)
Wayne	13,533	48.0 (30)	10,481	15.6 (14)	7,814	14.3 (8)
Western UP	1,233	61.8 (6)	1,045	20.4 (5)	849	16.6 (5)
Michigan	187,726	48.1	157,307	13.1	124,462	10.4

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