

Table 4F
2015 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 05/02/2016

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

Comparison of Racial and Ethnic Distribution								
Local Agency	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
01DHD#2	1,678	89.2	0.1	4.2	0.2	0.0	6.3	0.0
02LMAS	770	68.7	0.8	0.3	5.6	0.5	24.2	0.0
04DHD#4	1,668	87.5	0.4	2.9	0.1	0.3	8.7	0.0
05NWMCHA	2,447	87.9	0.8	3.2	3.0	0.8	4.3	0.0
06CMDHD	4,834	87.0	1.4	3.9	0.5	0.6	6.5	0.0
07West UP	1,407	87.3	0.4	2.1	0.1	1.7	8.3	0.0
08Barry	2,748	86.2	1.8	6.8	0.0	0.4	4.7	0.0
09Bay	2,566	71.2	2.1	14.7	0.0	0.2	11.7	0.0
10Gr Trav	1,894	84.1	1.0	7.5	0.4	0.2	6.7	0.1
11Berrien	3,968	46.0	37.0	8.3	0.2	0.7	7.3	0.0
12BHS	5,044	75.7	2.1	15.5	0.0	0.1	6.4	0.0
13Calhoun	4,551	50.3	19.5	10.2	0.2	6.0	13.8	0.0
14Leelanau	639	70.6	0.5	17.1	3.8	0.2	7.5	0.0
15Intercar	12,526	57.5	3.6	31.2	0.1	1.0	5.7	0.0
17Chippewa	1,095	45.8	0.3	4.0	17.4	0.6	31.7	0.1
19Mid-Mich	3,674	80.9	0.2	13.6	0.1	0.1	4.9	0.0
21Delta	1,475	82.1	0.0	3.9	0.3	0.1	13.6	0.0
22Iron	952	91.0	0.1	3.0	0.2	0.0	5.4	0.0
25Genesee	11,292	42.4	37.0	7.1	0.0	0.3	13.1	0.0

(1) Reporting period is January 1 through December 31

(2) Analyses based on one record per child

(3) Excludes records with unknown data errors.

(4) Prenatal program participation

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

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30HDI	2,260	10.9	52.2	31.1	0.1	0.4	5.3	0.0
32Huron	732	88.8	0.3	6.8	0.0	0.0	4.1	0.0
33Ingham	6,425	35.2	24.5	19.2	0.0	6.4	14.5	0.0
35Keweenaw	245	2.4	0.0	4.9	83.7	0.0	9.0	0.0
37Ionia	1,665	82.2	0.4	11.7	0.0	0.2	5.5	0.0
38Jackson	4,711	62.1	13.3	8.4	0.1	0.3	15.7	0.0
39Kalamazo	2,758	54.7	18.2	11.8	0.0	0.8	14.4	0.0
40Kal Fam	3,639	31.8	41.4	13.0	0.1	0.9	12.7	0.0
41Kent	12,210	30.7	21.8	36.2	0.1	1.2	9.9	0.0
43DHD#10	7,806	78.0	1.4	14.2	0.1	0.1	6.0	0.0
44Lapeer	1,852	83.9	1.0	8.9	0.1	0.1	5.9	0.0
45Tuscola	1,500	87.4	0.4	7.9	0.3	0.1	3.9	0.0
46CAA	2,224	60.5	1.9	27.7	0.0	0.1	9.7	0.0
47Livingst	1,824	88.5	0.9	4.8	0.1	0.6	5.0	0.1
50Macomb	8,900	47.9	30.8	4.0	0.0	5.9	11.3	0.0
51DCS	2,979	66.5	9.4	12.0	0.0	1.7	10.3	0.0
52Marquett	1,240	78.7	0.4	4.4	0.9	0.6	14.8	0.0
56MMCAA	1,786	90.0	1.2	3.6	0.0	0.3	4.7	0.0
58Monroe	2,957	76.6	5.3	8.4	0.0	0.2	9.4	0.0

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61Muskegon	6,250	50.8	23.5	12.8	0.1	0.2	12.5	0.0
63Oakland	14,292	44.9	31.1	14.2	0.1	2.1	7.6	0.0
73Saginaw	4,073	42.1	26.8	21.9	0.0	0.2	8.9	0.0
74St Clair	3,313	70.9	5.5	9.7	0.0	0.2	13.5	0.1
76Sanilac	887	86.5	0.6	8.7	0.0	0.0	4.1	0.0
78Shiawass	1,887	84.6	0.3	7.2	0.0	0.2	7.7	0.1
81Washtena	5,295	31.4	36.7	13.0	0.2	4.2	14.4	0.0
82Wayne	19,877	56.5	27.4	5.3	0.1	4.0	6.5	0.0
89Urban L	12,889	13.6	72.0	10.1	0.0	0.8	3.4	0.0
90Detroit	27,987	7.3	73.5	15.0	0.1	1.7	2.4	0.0
Michigan	240,590	49.0	27.1	13.5	0.3	1.9	8.1	0.2
Nation (Prior Year)	911,219	48.5	22.9	14.8	0.7	3.5	9.1	0.5

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Table 5F
2015 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Age Distribution by Local Agency
Children Aged < 5 Years ⁽²⁾

Run Date: 05/02/2016

Comparison of Age Distribution				
Local Agency	Number Included in Analysis	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
01DHD#2	1,678	38.0	20.4	45.1
02LMAS	770	32.2	24.0	50.0
04DHD#4	1,668	36.5	23.1	44.1
05NWMCHA	2,447	37.0	22.0	44.4
06CMDHD	4,834	33.6	24.5	45.9
07West UP	1,407	36.2	20.8	46.3
08Barry	2,748	37.3	21.4	45.6
09Bay	2,566	32.9	24.6	46.1
10Gr Trav	1,894	34.8	24.9	43.8
11Berrien	3,968	39.9	21.3	42.8
12BHS	5,044	34.9	22.9	45.7
13Calhoun	4,551	35.5	22.1	46.1
14Leelanau	639	36.3	23.5	41.6
15Intercar	12,526	31.1	24.5	47.8
17Chippewa	1,095	36.9	21.0	45.3
19Mid-Mich	3,674	37.0	20.1	45.5
21Delta	1,475	36.3	23.1	44.2
22Iron	952	33.9	22.8	47.7
25Genesee	11,292	41.2	20.6	41.4
30HDI	2,260	33.8	19.7	50.5
32Huron	732	37.8	20.1	44.0
33Ingham	6,425	38.8	21.3	43.2

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Local Agency	Number Included in Analysis	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
35Keweenaw	245	33.1	19.2	51.8
37Ionia	1,665	35.6	24.6	44.3
38Jackson	4,711	35.6	21.6	46.3
39Kalamazo	2,758	40.8	19.7	41.8
40Kal Fam	3,639	35.5	20.3	47.0
41Kent	12,210	36.7	20.9	46.0
43DHD#10	7,806	33.6	22.6	47.4
44Lapeer	1,852	35.0	24.2	43.3
45Tuscola	1,500	34.5	21.2	48.1
46CAA	2,224	39.5	21.9	41.9
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52Marquett	1,240	33.1	26.4	43.4
56MMCAA	1,786	39.7	18.6	44.5
58Monroe	2,957	35.9	22.7	45.1
61Muskegon	6,250	35.5	22.6	45.3
63Oakland	14,292	40.9	19.6	42.1
73Saginaw	4,073	39.5	20.0	43.8
74St Clair	3,313	36.0	24.4	43.7
76Sanilac	887	40.2	18.7	45.3
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81Washtena	5,295	34.8	22.7	45.8

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82Wayne	19,877	40.5	19.9	42.3
89Urban L	12,889	37.7	19.3	45.7
90Detroit	27,987	40.1	19.4	43.4
Michigan	240,590	37.6	18.0	44.3
Nation (Prior Year)	911,219	37.3	19.1	43.6

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Table 6F
2015 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 05/02/2016

Comparison of Growth and Anemia Indicators by Local Agency
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators (3)												
Local Agency	Birth Weight (4)			Height and Weight (5,6)						Anemia Low Hb/Hct (7)		
	Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese					
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
01DHD#2	363	8.0	7.4	1,628	7.4	2.8	10.3	726	16.1	13.4	1,097	22.3
02LMAS	154	7.1	9.7	751	3.5	4.4	6.3	371	12.4	9.7	497	11.1
04DHD#4	403	9.4	7.9	1,632	7.0	2.6	11.0	709	16.6	14.7	1,005	12.5
05NWMCHA	529	7.4	9.1	2,380	6.3	4.6	10.8	1,054	19.7	14.7	1,580	7.7
06CMDHD	1,041	7.5	8.8	4,697	6.2	2.6	10.2	2,123	16.3	15.1	3,141	9.5
07West UP	338	7.4	9.5	1,359	6.2	3.9	7.0	617	18.5	11.0	894	7.4
08Barry	601	8.3	7.7	2,659	5.8	3.8	10.4	1,195	17.7	15.2	1,757	7.3
09Bay	523	10.1	9.6	2,504	7.8	2.2	11.0	1,137	15.7	15.3	1,740	8.0
10Gr Trav	470	6.8	8.7	1,788	4.1	6.4	9.5	798	17.5	13.2	1,110	17.1
11Berrien	1,009	10.2	7.2	3,851	5.5	4.8	9.3	1,619	16.5	13.9	2,305	11.8
12BHS	1,082	8.0	8.6	4,922	6.9	1.9	12.0	2,210	16.7	14.7	3,238	6.1
13Calhoun	994	9.4	6.8	4,414	7.3	2.9	13.8	2,016	17.6	16.2	2,944	22.9
14Leelanau	149	9.4	11.4	621	5.3	6.4	10.6	254	17.7	12.6	408	10.3
15Inter-car	2,583	7.1	8.9	12,163	4.9	2.7	10.9	5,713	17.8	14.9	8,330	22.3

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(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

(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.

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	Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese					
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
17Chippewa	234	5.6	8.5	1,057	7.2	3.0	12.5	473	18.2	13.7	667	18.7
19Mid-Mich	798	9.9	8.1	3,560	6.5	2.0	10.1	1,590	17.1	13.0	2,367	3.9
21Delta	339	7.1	8.8	1,450	5.5	2.5	10.2	630	19.2	12.4	903	2.5
22Iron	188	9.6	9.0	931	7.9	1.3	10.3	439	16.9	13.2	615	9.1
25Genesee	2,798	12.3	5.2	10,958	9.5	2.1	10.8	4,518	15.8	12.5	6,973	23.6
30HDI	466	10.5	4.7	2,166	7.2	1.8	13.3	1,100	20.2	15.1	1,550	4.1
32Huron	164	7.3	11.0	714	6.6	2.7	13.3	310	18.1	15.2	469	7.9
33Ingham	1,549	9.9	6.1	6,271	6.2	3.1	9.5	2,670	15.4	12.5	4,103	12.0
35Keweenaw	51 *	*		238	7.1	2.1	21.4	121	28.1	27.3	135	20.0
37Ionia	375	6.7	8.5	1,628	4.3	4.9	10.8	709	16.2	16.1	1,066	8.9
38Jackson	1,024	10.4	7.4	4,565	5.8	3.8	9.7	2,084	19.5	15.7	3,123	20.0
39Kalamazo	668	10.0	10.0	2,634	5.7	3.6	10.0	1,097	17.4	13.2	1,735	18.0
40Kal Fam	766	11.0	7.8	3,528	6.2	2.6	11.3	1,649	16.6	13.7	2,463	25.1
41Kent	2,671	10.6	8.2	11,858	7.5	2.1	10.7	5,378	16.4	13.4	7,904	11.9

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	Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese					
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
43DHD#10	1,693	7.4	9.6	7,548	7.3	1.7	11.2	3,514	19.4	15.9	5,100	14.9
44Lapeer	396	9.1	9.1	1,810	6.5	2.4	9.0	769	18.9	15.2	1,225	10.4
45Tuscola	315	8.3	5.1	1,453	7.3	2.4	10.3	682	17.0	14.8	1,017	7.6
46CAA	552	8.3	8.5	2,152	5.8	2.6	9.3	875	20.0	15.8	1,260	9.4
47Livingst	419	7.4	8.1	1,776	6.9	1.0	9.0	784	16.5	12.2	1,189	6.3
50Macomb	2,381	11.8	6.2	8,692	7.6	1.7	10.8	3,375	13.8	13.2	5,241	15.9
51DCS	707	9.3	9.1	2,904	6.0	2.0	9.0	1,177	16.9	14.7	1,862	20.0
52Marquett	297	9.1	10.1	1,175	8.3	2.3	12.0	500	17.8	16.4	648	6.9
56MMCAA	410	9.3	11.5	1,744	8.0	1.3	12.0	759	19.2	16.6	1,063	7.0
58Monroe	679	8.4	8.4	2,863	7.6	3.1	10.3	1,254	15.3	15.9	1,869	10.5
61Muskegon	1,454	12.4	6.6	6,050	6.8	2.9	10.4	2,741	16.0	12.7	3,888	17.5
63Oakland	3,345	11.1	6.1	13,913	7.9	2.4	9.1	5,791	15.1	12.0	8,936	15.1
73Saginaw	977	11.7	6.7	3,942	6.6	3.2	12.0	1,701	17.2	15.8	2,561	16.0
74St Clair	729	8.9	6.4	3,206	5.6	1.9	8.9	1,366	18.4	15.8	2,178	7.7

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(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

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	Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese					
	Number	% <2500 g	% >4000 g	Number	%	%	%	Number	% Overweight	% Obese	Number	%
76Sanilac	207	6.8	7.2	859	6.5	1.0	7.9	378	20.1	13.2	568	13.2
78Shiawass	420	7.1	10.0	1,834	5.3	4.1	9.2	830	18.4	15.2	1,259	13.8
81Washtena	1,158	12.3	7.1	5,136	7.0	2.1	9.9	2,309	16.1	13.6	3,475	18.4
82Wayne	4,708	10.2	6.1	19,421	6.2	2.5	8.9	8,119	14.7	11.7	12,116	17.3
89Urban L	2,737	12.8	4.2	12,411	6.5	5.2	10.1	5,659	14.3	12.8	8,337	35.4
90Detroit	6,905	14.5	3.7	26,837	6.8	3.9	9.1	11,620	14.2	12.6	16,680	25.8
Michigan	55,089	10.5	6.8	233,217	6.7	2.9	10.2	102,221	16.3	13.6	151,524	17.2
Nation (Prior Year)	210,775	9.8	7.3	877,334	6.8	2.8	10.5	381,637	16.2	13.6	527,531	14.1

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(5) Infants born during the reporting period included in the analysis.

(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

(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
2015 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 05/02/2016

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 (4)														
Local Agency	Breastfeeding (5)				Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household			
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breatsfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
01DHD#2	364	61.5	333	18.6	280	10.7	271	15.1	322	9.9	829	85.8	1,662	6.1
02LMAS	156	67.9	134	22.4	136	16.2	104	17.3	131	8.4	406	83.0	769	6.9
04DHD#4	405	62.7	273	21.6	295	10.8	259	18.9	268	10.8	796	93.0	1,658	5.2
05NWMCHA	569	76.1	445	30.8	411	16.5	371	27.0	436	12.2	1,191	88.7	2,440	5.8
06CMDHD	1,044	72.0	900	21.1	893	11.5	756	20.5	876	10.7	2,410	92.0	4,808	6.4
07West UP	340	77.1	240	33.3	209	20.1	213	23.0	234	15.4	696	89.4	1,398	3.0
08Barry	627	76.7	570	26.1	427	11.5	427	24.6	542	14.2	1,358	89.5	2,741	3.0
09Bay	533	63.4	426	21.1	467	11.6	402	16.4	412	5.1	1,283	96.6	2,560	3.3
10Gr Trav	470	83.4	286	33.2	346	20.2	202	34.7	274	13.1	885	88.4	1,883	2.9
11Berrien	1,012	64.0	706	22.1	619	12.4	650	20.5	680	10.9	1,796	81.7	3,917	5.0
12BHS	1,086	78.5	860	20.1	801	11.4	718	18.7	801	9.5	2,491	85.7	5,014	4.0
13Calhoun	1,002	68.9	793	17.3	782	9.6	643	14.6	715	6.2	2,244	92.0	4,513	2.7
14Leelanau	150	85.3	114	34.2	100	27.0	87	*	112	15.2	294	86.4	637	5.0
15Intercar	2,647	75.6	1,915	24.5	2,198	14.3	1,555	22.7	1,765	11.8	6,302	91.6	12,360	2.0
17Chippewa	237	68.8	205	29.3	187	20.3	165	27.9	198	19.7	529	92.2	1,078	13.5
19Mid-Mich	800	82.6	677	25.6	530	14.5	553	23.5	635	12.4	1,787	87.7	3,613	4.9
21Delta	342	72.2	294	19.7	294	9.5	265	21.1	290	10.3	700	92.3	1,461	2.9

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(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) 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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22Iron	188	71.8	155	22.6	153	17.0	128	28.1	151	13.9	497	90.5	947	3.2
25Genesee	2,816	59.7	2,314	13.5	1,867	8.1	1,799	11.8	2,028	5.7	4,988	80.4	11,122	4.3
30HDI	466	60.5	357	10.1	325	7.1	301	7.0	352	1.1	1,216	86.5	2,240	5.4
32Huron	164	64.0	111	23.4	103	14.6	111	18.0	110	9.1	343	89.8	730	4.9
33Ingham	1,562	75.6	1,192	25.7	1,049	17.1	845	16.7	1,095	7.8	2,972	86.7	6,342	4.0
35Keweenaw	51	*	33	*	37	*	33	*	32	*	136	89.0	242	2.9
37Ionia	378	81.5	333	21.6	312	11.5	255	22.4	327	7.6	801	85.8	1,655	5.1
38Jackson	1,029	70.4	1,027	16.7	861	9.4	703	15.1	973	6.3	2,370	80.9	4,700	5.8
39Kalamazo	676	69.2	582	21.8	443	13.5	470	20.9	550	10.0	1,245	86.3	2,726	2.3
40Kal Fam	772	59.8	641	17.2	558	10.4	539	14.1	624	5.8	1,837	73.1	3,605	4.3
41Kent	2,690	70.7	2,371	18.6	1,999	10.7	1,926	13.2	2,249	8.4	5,986	88.5	12,037	2.6
43DHD#10	1,693	76.6	1,319	23.9	1,433	14.0	1,111	18.9	1,287	10.4	3,959	89.6	7,768	4.3
44Lapeer	396	70.5	349	27.8	352	13.9	296	19.9	344	10.8	865	88.3	1,826	1.5
45Tuscola	315	74.3	273	19.4	262	12.6	232	11.6	262	3.4	770	93.9	1,492	5.5
46CAA	557	77.6	433	22.6	384	10.4	377	19.9	411	8.0	1,005	90.5	2,202	2.6
47Livingst	421	79.6	346	24.0	338	15.7	289	23.2	340	12.9	874	92.9	1,819	1.5
50Macomb	2,388	60.7	1,722	16.3	1,580	8.2	1,547	12.1	1,631	6.4	3,746	86.6	8,789	2.4

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Table 7F
2015 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 05/02/2016

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51DCS	710	70.3	619	20.0	580	13.4	450	14.9	566	7.2	1,319	82.2	2,956	3.5
52Marquett	298	77.5	200	31.5	225	21.3	158	27.8	186	14.5	586	90.1	1,235	3.2
56MMCAA	410	77.6	357	22.1	266	11.3	357	24.6	347	10.7	846	91.1	1,746	3.3
58Monroe	679	59.8	529	15.5	478	9.4	467	13.9	517	7.2	1,452	90.5	2,900	4.8
61Muskegon	1,454	63.1	977	14.5	1,054	7.8	991	12.8	902	5.5	3,003	85.1	6,212	6.0
63Oakland	3,394	64.3	2,888	18.9	2,004	10.7	2,358	13.1	2,813	7.9	6,461	88.3	14,132	3.0
73Saginaw	979	57.9	752	13.3	647	5.4	611	9.0	665	5.1	1,858	87.0	3,978	4.6
74St Clair	730	59.2	725	18.6	661	8.2	546	15.8	697	6.2	1,595	87.5	3,291	7.0
76Sanilac	208	64.4	170	15.9	124	8.9	149	14.1	165	6.1	417	90.9	881	5.8
78Shiawass	420	69.3	385	21.6	317	9.5	276	10.9	358	5.9	899	91.8	1,860	3.3
81Washtena	1,164	81.6	958	32.7	871	22.5	782	20.5	921	14.4	2,612	89.2	5,198	1.6
82Wayne	4,926	56.4	3,765	15.9	3,035	9.3	3,235	8.4	3,615	4.8	9,098	83.2	19,588	2.9
89Urban L	2,834	49.7	2,229	10.2	1,758	5.0	2,036	5.3	2,132	3.0	6,334	71.3	12,810	5.6
90Detroit	6,952	47.3	5,033	10.6	3,982	5.7	4,661	4.8	4,901	2.7	12,946	74.0	27,819	7.6
Michigan	55,956	64.3	44,452	18.4	38,816	10.8	37,300	13.8	42,242	7.3	114,298	84.5	238,131	4.2
Nation (Prior Year)	207,356	66.8	100,563	26.5	83,118	13.7	70,540	14.5	82,222	8.6	283,232	83.6	605,284	7.3

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Table 6F
2013 - 2015 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 05/02/2016

Comparison of Growth and Anemia Indicators by Local Agency
Children Aged < 5 Years (2)
Combined 3 Years

Comparison of Growth and Anemia Indicators (3)												
Local Agency	Birth Weight (4)			Height and Weight (5,6)						Anemia Low Hb/Hct (7)		
	Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese					
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
01DHD#2	1,151	6.4	8.0	5,035	6.4	2.9	11.7	2,199	18.4	14.6	3,451	17.0
02LMAS	511	7.8	8.6	2,495	2.9	4.0	7.5	1,215	15.8	10.1	1,660	10.8
04DHD#4	1,142	8.3	8.4	4,947	6.1	2.0	12.2	2,189	17.3	16.8	3,160	13.2
05NWMCHA	1,749	7.6	9.5	8,440	5.9	3.7	10.8	3,860	18.3	14.1	5,820	8.5
06CMDHD	3,213	7.7	8.9	14,465	6.0	2.5	10.5	6,633	17.4	15.4	9,905	9.1
07West UP	923	6.1	9.0	4,201	5.6	2.9	8.3	1,998	17.6	10.6	2,882	8.7
08Barry	1,858	7.1	7.8	8,217	5.2	3.2	10.4	3,660	18.2	14.2	5,510	7.1
09Bay	1,646	8.4	9.2	7,728	7.3	1.9	11.4	3,508	16.8	15.7	5,438	8.0
10Gr Trav	1,514	8.4	10.2	5,702	4.2	5.4	9.7	2,515	17.8	12.9	3,627	16.1
11Berrien	3,113	9.5	7.0	12,184	5.1	3.8	9.4	5,239	16.5	13.2	7,842	11.9
12BHS	3,559	8.5	7.5	15,358	6.9	2.0	12.2	6,836	18.0	15.3	10,197	5.8
13Calhoun	3,099	9.0	6.6	13,530	7.2	2.4	13.5	6,116	17.7	16.1	9,266	18.5
14Leelanau	459	7.6	10.7	1,952	4.4	5.0	10.8	864	16.3	14.9	1,314	9.4

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(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

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(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

(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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Comparison of Growth and Anemia Indicators (3)												
Local Agency	Birth Weight (4)			Height and Weight (5,6)							Anemia Low Hb/Hct (7)	
	Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese					
	Number	%	%	Number	%	%	%	Number	%	%	Number	%
15Inter-car	9,895	7.8	8.6	45,175	5.0	2.5	11.1	21,089	17.2	14.5	31,297	22.4
17Chippewa	748	4.7	11.1	3,315	5.6	2.5	12.8	1,523	17.1	14.1	2,119	15.2
19Mid-Mich	2,428	8.0	7.9	11,094	6.3	1.6	10.9	4,857	18.2	14.2	7,535	4.3
21Delta	1,041	7.3	11.1	4,353	5.5	1.7	10.3	1,862	17.6	13.7	2,848	2.7
22Iron	650	10.3	8.5	2,959	6.5	1.5	10.5	1,365	17.3	13.0	2,023	7.2
25Genesee	8,697	12.1	5.3	33,315	8.3	2.0	10.7	13,483	16.2	13.3	21,392	21.2
30HDI	1,409	11.1	4.8	6,672	7.0	1.7	13.6	3,339	19.8	15.5	4,798	7.4
32Huron	488	7.8	9.8	2,330	6.4	2.1	14.2	1,094	16.9	18.2	1,619	6.9
33Ingham	5,226	9.1	7.0	21,525	5.9	2.2	10.2	9,242	16.1	13.1	14,413	11.8
35Keweenaw	144	4.2	14.6	763	4.5	2.9	21.8	369	25.7	29.0	467	24.0
37Ionia	1,171	6.7	7.1	5,052	4.5	3.7	9.9	2,241	16.3	15.1	3,465	8.3
38Jackson	3,203	8.4	7.7	14,132	4.9	4.0	9.7	6,491	19.8	15.3	9,600	20.9
39Kalamazo	2,142	9.8	9.5	8,429	5.7	3.2	10.8	3,561	17.7	13.5	5,573	24.6

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(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

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	Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese					
	Number	%	%	Number	%	%	%	Number	% Overweight	% Obese	Number	%
40Kal Fam	2,386	10.3	6.6	10,854	5.9	2.4	12.0	5,077	16.4	14.1	7,691	26.8
41Kent	10,344	10.2	7.5	48,124	6.8	1.9	11.0	21,967	16.6	13.8	33,196	11.4
43DHD#10	5,158	7.6	8.9	23,594	6.4	1.6	11.2	11,009	19.5	15.9	16,442	14.3
44Lapeer	1,264	7.7	8.6	5,612	5.9	2.1	9.6	2,397	19.4	14.8	3,841	11.6
45Tuscola	992	7.7	6.9	4,442	6.8	2.3	9.9	2,028	17.6	14.3	3,092	6.6
46CAA	1,704	8.0	7.6	6,468	6.5	2.1	11.5	2,625	18.3	17.2	3,729	10.5
47Livingst	1,355	8.3	9.4	5,616	6.3	1.4	9.2	2,399	17.1	13.2	3,793	6.4
50Macomb	8,235	10.5	6.3	32,076	6.2	1.7	11.1	13,073	15.6	13.9	20,616	20.5
51DCS	2,217	9.1	8.7	8,857	6.0	1.8	10.2	3,611	18.2	15.4	5,784	15.7
52Marquett	856	7.4	8.9	3,479	6.8	2.0	11.6	1,535	18.3	14.5	2,017	7.2
56MMCAA	1,174	9.3	9.3	5,456	7.0	1.3	11.6	2,509	18.4	15.5	3,500	8.7
58Monroe	2,094	7.6	8.4	9,130	7.4	2.3	10.9	4,033	16.0	14.6	6,079	8.4
61Muskegon	4,514	11.6	6.6	19,192	6.0	2.6	10.3	8,784	16.1	12.9	13,049	17.3

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(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

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	Low	High		Short Stature	Under-Weight	Obese	>= 2 Yrs Overweight and obese					
	Number	%	%	Number	%	%	%	Number	%	%	Number	%
63Oakland	10,444	11.1	6.2	43,281	7.0	2.2	9.3	18,099	15.3	12.1	28,350	15.7
73Saginaw	3,011	9.8	7.5	12,650	6.3	2.3	12.5	5,520	16.4	15.6	8,611	16.6
74St Clair	2,443	7.8	7.7	10,213	5.3	1.9	9.5	4,418	17.5	15.9	7,041	8.2
76Sanilac	651	8.9	8.1	2,696	5.3	1.8	9.0	1,174	21.0	14.4	1,804	8.8
78Shiawass	1,319	7.2	8.9	5,635	5.0	3.9	9.4	2,507	18.4	14.6	3,866	12.7
81Washtena	3,626	10.9	7.0	16,023	6.0	1.9	10.6	7,215	17.0	14.7	11,196	18.6
82Wayne	15,763	9.7	6.2	62,649	5.9	2.3	10.1	26,013	15.5	12.8	38,694	19.0
89Urban L	8,567	12.4	4.6	37,763	6.0	4.8	10.7	16,975	14.6	13.4	25,639	34.1
90Detroit	21,823	13.1	4.3	85,841	6.2	3.5	9.8	37,307	15.0	13.0	55,339	25.0
Michigan	171,231	10.0	6.9	723,225	6.2	2.6	10.6	317,700	16.6	14.0	480,706	17.2

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

(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 7F
2013 - 2015 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 05/02/2016

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

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4)														
Local Agency	Breastfeeding (5)				Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household			
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breastsfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
01DHD#2	1,153	65.7	981	18.5	824	10.3	805	18.6	931	7.2	2,492	84.3	5,129	6.1
02LMAS	514	69.5	418	20.8	449	11.4	343	23.0	407	8.8	1,339	82.0	2,540	8.8
04DHD#4	1,145	61.6	907	19.5	908	9.4	816	19.7	872	10.7	2,480	87.5	5,030	7.0
05NWMCHA	1,843	76.7	1,429	27.6	1,370	16.0	1,208	27.8	1,388	13.7	4,103	86.6	8,256	6.1
06CMDHD	3,227	73.9	2,653	20.7	2,660	11.8	2,151	19.7	2,539	9.9	7,478	88.4	14,743	7.5
07West UP	921	77.0	736	31.5	592	17.1	604	25.3	692	15.2	2,242	88.1	4,308	3.2
08Barry	1,900	77.4	1,728	23.5	1,419	10.9	1,254	21.3	1,581	11.3	4,132	85.8	8,424	3.7
09Bay	1,667	60.9	1,370	16.8	1,431	9.1	1,228	15.5	1,311	4.6	3,976	92.2	7,885	4.7
10Gr Trav	1,517	84.0	1,013	30.9	1,061	19.2	766	29.4	968	12.6	2,789	87.7	5,976	3.2
11Berrien	3,128	59.6	2,310	17.4	2,031	9.7	1,906	17.4	2,139	7.7	5,850	76.9	12,460	5.6
12BHS	3,582	77.6	2,783	22.6	2,521	12.2	2,340	19.0	2,563	9.8	7,741	81.8	15,688	4.9
13Calhoun	3,119	66.3	2,428	14.7	2,425	8.6	1,908	12.1	2,114	5.3	6,821	87.5	13,798	3.6
14Leelanau	459	85.0	357	32.2	289	23.2	274	24.1	340	10.9	974	84.0	2,002	5.2
15Intercar	9,022	75.5	6,272	24.4	7,049	13.6	4,871	22.3	5,570	10.9	20,616	88.2	40,514	2.3
17Chippewa	755	66.8	615	27.6	499	16.0	517	27.5	591	19.3	1,733	85.1	3,402	13.7
19Mid-Mich	2,445	80.5	2,155	25.4	1,665	14.6	1,716	22.4	2,013	11.2	5,502	86.5	11,255	5.5
21Delta	1,045	72.2	831	18.1	861	10.3	751	18.5	798	9.5	2,124	87.4	4,414	4.1

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(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) 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.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(7) Children aged 2 years and older included in the analyses.

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

Table 7F
2013 - 2015 Pediatric Nutrition Surveillance (1)
Michigan

Run Date: 05/02/2016

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

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4)														
Local Agency	Breastfeeding (5)						Exclusive Breastfeeding (6)				>=2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfeed	Number	% Breastfeed At Least 6 Months	Number	% Breatsfeed At Least 12 Months	Number	% Breastfeed At Least 3 Months	Number	% Breatfeed At Least 6 Months	Number	%	Number	%
22Iron	651	72.2	527	24.3	502	15.3	441	26.5	503	12.5	1,539	88.4	3,023	3.3
25Genesee	8,730	56.8	7,013	13.8	5,591	7.2	5,377	11.5	6,063	5.6	14,800	77.4	33,630	4.9
30HDI	1,412	59.3	1,091	9.3	1,017	5.7	949	5.3	1,055	1.8	3,744	84.4	6,864	5.4
32Huron	491	68.6	393	20.6	304	11.8	348	17.0	375	6.7	1,204	84.6	2,364	5.2
33Ingham	5,128	76.3	3,873	24.6	3,520	14.8	2,873	14.6	3,495	6.6	9,903	83.8	20,986	3.7
35Keweenaw	144	69.4	110	21.8	129	12.4	101	15.8	106	14.2	417	87.1	772	2.5
37Ionia	1,178	75.5	1,015	20.4	980	11.7	846	19.6	994	9.5	2,515	81.4	5,154	6.1
38Jackson	3,218	68.1	3,083	16.5	2,606	8.9	2,104	14.7	2,777	6.2	7,290	81.7	14,523	5.9
39Kalamazo	2,162	69.1	1,734	23.6	1,417	12.4	1,376	20.3	1,585	9.5	4,043	85.7	8,677	2.6
40Kal Fam	2,413	61.9	1,905	18.8	1,635	10.8	1,649	15.2	1,808	7.2	5,682	69.4	11,096	5.3
41Kent	10,422	69.7	9,411	19.8	7,841	11.3	7,436	14.2	8,662	9.4	24,800	85.4	48,935	2.5
43DHD#10	5,163	76.4	4,096	23.0	4,416	12.7	3,477	18.6	3,958	9.4	12,470	87.0	24,234	4.9
44Lapeer	1,263	70.2	1,066	23.5	1,052	12.2	895	22.0	1,016	10.2	2,702	88.5	5,680	2.6
45Tuscola	994	72.5	790	18.4	771	12.5	675	13.0	752	4.3	2,325	90.4	4,536	4.7
46CAA	1,710	74.6	1,348	19.6	1,177	9.8	1,120	18.2	1,282	6.8	2,980	81.2	6,520	4.1
47Livingst	1,360	77.7	1,097	21.6	1,053	12.8	872	21.1	1,048	10.1	2,679	91.3	5,742	2.2
50Macomb	8,077	57.4	5,742	14.9	5,438	7.5	5,066	9.7	5,392	5.5	13,558	78.6	30,586	2.8

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(5) 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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51DCS	2,231	66.9	1,811	22.4	1,726	11.4	1,451	15.5	1,683	8.4	4,053	82.4	9,020	3.0
52Marquett	863	76.8	601	28.1	689	15.7	471	25.9	563	11.0	1,794	88.5	3,712	3.8
56MMCAA	1,175	77.7	1,089	24.5	835	14.7	1,028	24.7	1,064	10.6	2,800	88.5	5,481	3.7
58Monroe	2,093	63.0	1,653	15.8	1,616	9.1	1,425	13.4	1,564	7.0	4,566	86.4	9,247	5.5
61Muskegon	4,532	61.2	2,917	14.7	3,341	7.6	2,946	12.0	2,772	5.4	9,753	84.1	19,661	6.3
63Oakland	10,574	61.3	8,979	18.9	6,492	9.8	7,433	13.2	8,597	7.8	20,135	84.8	43,934	2.7
73Saginaw	3,028	64.0	2,199	13.9	1,980	6.6	1,872	9.9	1,944	6.3	6,048	83.3	12,749	5.1
74St Clair	2,443	58.9	2,245	14.9	1,947	6.0	1,663	13.3	2,097	6.2	5,118	88.4	10,435	7.2
76Sanilac	652	64.6	549	16.0	402	7.7	466	15.5	529	6.6	1,297	86.2	2,736	5.9
78Shiawass	1,319	72.3	1,174	23.1	992	12.2	868	12.3	1,064	5.5	2,712	87.7	5,712	3.8
81Washtena	3,644	79.9	3,046	31.1	2,803	18.2	2,442	20.5	2,870	12.0	8,142	86.8	16,232	2.2
82Wayne	15,612	54.9	11,972	16.9	9,532	8.8	10,307	8.1	11,363	4.9	28,197	81.2	61,353	3.1
89Urban L	8,735	45.5	6,746	9.3	5,537	3.9	6,288	4.7	6,534	2.9	19,049	70.4	38,931	5.9
90Detroit	21,944	46.6	15,757	11.4	12,799	5.2	14,609	5.1	15,382	2.7	41,514	71.5	88,421	8.7
Michigan	173,348	63.1	136,177	18.2	120,019	10.0	113,976	13.4	127,736	7.0	355,550	81.9	737,734	4.7

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