

WIC PNSS & PedNSS

Run Date: 4/14/2025

Table 1C

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Summary of Demographic Indicators (2)

Total Records	Number	%
Complete Records	29,077	64.8
Prenatal Records	2,960	6.6
Postpartum Records	12,833	28.6
Total	44,870	

Source of Data	Number	%
WIC	44,870	100.0
Maternal Health	0	0.0
Other	0	0.0
Total	44,870	100.0
Excluded Unknown	0	0.0 %

Race/Ethnic Distribution	Number	%
White, Not Hispanic	22,503	50.4
Black, Not Hispanic	12,232	27.4
Hispanic	6,561	14.7
American Indian/Alaska Native	178	0.4
Asian/Pacific Islander	1,328	3.0
Multiple Races	1,863	4.2
All Other	0	0.0
Total	44,665	100.0
Excluded Unknown	204	0.5 %

Age Distribution	Number	%
< 15 Years	35	0.1
15 - 17 Years	673	1.5
18 - 19 Years	2,132	4.9
20 - 29 Years	25,280	57.5
30 - 39 Years	14,669	33.4
>= 40 Years	1,152	2.6
Total	43,941	100.0
Excluded Unknown:	929	2.1 %

Education Distribution	Number	%
< High School	8,317	19.2
High School	21,449	49.6
> High School	13,508	31.2
Total	43,274	100.0
Excluded Unknown	1,596	3.6 %

% of Poverty Level	Number	%
0 - 50	10,584	33.2
51 - 100	7,097	22.3
101 - 130	4,276	13.4
131 - 150	2,245	7.1
151 - 185	3,326	10.4
186 - 200	957	3.0
> 200	3,168	10.0
Adjunctive Eligibility	179	0.6
Total	31,832	100.0
Excluded Unknown	205	0.5 %

Program Participation (3)	Number	%
WIC	32,037	100.0
SNAP	31,998	44.3
Medicaid	31,880	88.8
Tanf	32,022	2.9
Excluded Unknown:		
WIC:	0	0.0
SNAP:	39	0.1
Medicaid:	157	0.3
Tanf:	15	0.0

Migrant Status	Number	%
Yes	534	1.2
No	44,336	98.8
Total	44,870	100.0
Excluded Unknown	0	0.0 %

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data or errors.

(3) Prenatal program participation

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Table 2C

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Summary of Health Indicators

Summary of Health Indicators (2)				
	Michigan Prevalence		National (7) Prevalence (Prior Year)	
	Number	%	Number	%
Prepregnancy BMI (3)				
Underweight	33,778	4.7	42,957	4.2
Normal Weight	33,778	34.5	42,957	34.1
Overweight	33,778	24.3	42,957	24.6
Obese	33,778	36.5	42,957	37.1
Maternal Weight Gain (4)				
Less Than Ideal	19,602	16.8	27,673	18.8
Ideal	19,602	28.1	27,673	29.4
Greater Than Ideal	19,602	55.1	27,673	51.7
Anemia (Low Hb/Hct) (5)				
1st Trimester	10,660	7.1	5,014	1.6
2nd Trimester	11,592	11.2	5,834	2.0
3rd Trimester	6,900	34.8	6,220	26.9
Postpartum	11,679	25.4	11,239	22.9
Parity (6)				
0	44,343	36.0	52,125	34.8
1	44,343	27.0	52,125	27.8
2	44,343	18.1	52,125	18.4
>= 3	44,343	18.8	52,125	19.1
Interpregnancy Interval				
<= 6 Months	20,146	12.4	21,153	12.6
6 - <18 Months	20,146	26.7	21,153	26.4
>= 18 Months	20,146	60.8	21,153	61.1
Gestational Diabetes	41,389	9.4	42,973	10.4
Hypertension During Pregnancy	41,399	14.5	42,758	15.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

(6) Number of times a woman has given birth to an infant 20 or more weeks gestation

(7) National includes previous year's data for all participating States and ITOs.

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

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Michigan

Summary of Health Indicators

Summary of Health Indicators (2)			
	Michigan Prevalence		National (7) Prevalence (Prior Year)
	Number	%	Number %
Medical Care			
1st Trimester	38,343	91.5	45,177 86.0
No Care	38,343	0.5	45,177 1.2
WIC Enrollment			
1st Trimester	44,111	26.9	50,643 26.0
2nd Trimester	44,111	28.7	50,643 25.9
3rd Trimester	44,111	16.8	50,643 23.4
Postpartum (3)	44,111	27.6	50,643 24.8
Prepregnancy Multivitamin Consumption (4)	42,685	21.9	44,385 23.0
Multivitamin Consumption During Pregnancy (5)	31,855	87.2	38,838 91.1
Smoking			
3 Months Prior to Pregnancy	31,723	10.3	40,473 22.0
During Pregnancy	31,783	5.5	39,530 12.7
Last 3 Months of Pregnancy	41,470	4.5	47,284 6.2
Postpartum	41,469	4.0	47,936 7.7
Smoking Changes (6)			
Quit Smoking by First Prenatal Visit	3,244	47.1	7,867 36.9
Quit Smoking by First Prenatal Visit and Stayed Off Cigarettes	3,060	41.6	7,409 32.6
Smoking in Household			
During Pregnancy	31,605	11.1	39,853 9.6
Postpartum	41,446	4.9	51,116 5.5
Drinking			
3 Months Prior to Pregnancy	44,344	21.4	50,624 16.3
Last 3 Months of Pregnancy	41,484	0.4	47,632 0.4

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Women who initially enrolled in WIC during the postpartum period.

(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy, proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

(6) Among women who smoked 3 months prior to pregnancy.

(7) National includes previous year's data for all participating States and ITOs.

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

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Michigan
Summary of Health Indicators

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Summary of Health Indicators (2)				
	Michigan Prevalence		National (6) Prevalence (Prior Year)	
	Number	%	Number	%
Birthweight (3)				
Very Low	38,264	1.6	47,760	1.5
Low	38,264	9.9	47,760	9.5
Normal	38,264	82.6	47,760	83.2
High	38,264	5.9	47,760	5.8
Preterm (4)	39,791	13.4	49,201	13.1
Full term Low Birth Weight (5)	32,907	5.3	40,792	5.0
Multiple Births	41,212	2.7	51,061	1.9
Breastfeeding				
Ever Breastfed	39,073	75.2	48,458	75.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Very low birth weight (<1500 g), low birth weight (1500 - <2500 g), normal birth weight (2500 - <4000 g), high birth weight (>4000 g).

(4) <37 weeks gestation.

(5) 37 or more weeks gestation <2500 g.

(6) National includes previous year's data for all participating States and ITOs.

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

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Michigan

Comparison of Racial and Ethnic Distribution by Contributor to National (3)

Comparison of Racial and Ethnic Distribution (2)								
Contributor	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Michigan	44,869	50.2	27.3	14.6	0.4	3.0	4.2	0.5
National (Prior Year)	55,377	48.7	25.3	16.3	1.8	3.1	4.4	0.4

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors

(3) National includes previous year's data for all participating States and ITOs.

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

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2024 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Age Distribution by Contributor to National ⁽³⁾

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Comparison of Age Distribution ⁽²⁾								
Contributor	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Michigan	44,870	0.1	1.5	4.8	56.3	32.7	2.6	2.1
National (Prior Year)	55,378	0.1	1.6	5.5	56.6	32.4	2.6	1.2

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors

(3) National includes previous year's data for all participating States and ITOs.

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

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Michigan

Comparison of Maternal Health Indicators by Contributor to National (6)

Comparison of Maternal Health Indicators (2)														
Contributor	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(3)			(4)			(5)							
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester		Postpartum					
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
Michigan	33,778	4.7	60.8	19,602	16.8	55.1	6,900	34.8	11,679	25.4	41,389	9.4	41,399	14.5
National (Prior Year)	42,957	4.2	61.7	27,673	18.8	51.7	6,220	26.9	11,239	22.9	42,973	10.4	42,758	15.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

(6) National includes previous year's data for all participating States and ITOs.

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

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Michigan

Comparison of Maternal Behavioral Indicators by Contributor to National (5)

Comparison of Maternal Behavioral Indicators (2)									
Contributor	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Pregnancy (3)		During Pregnancy (4)	
	Number	%	%	Number	%	Number	%	Number	%
Michigan	38,343	91.5	0.5	44,111	26.9	42,685	21.9	31,855	87.2
National (Prior Year)	45,177	86.0	1.2	50,643	26.0	44,385	23.0	38,838	91.1

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

(2) Excludes records with unknown data or errors.

(3) Woman who reported taking a multivitamin four times a weeks or more in the month before pregnancy: proxy for folic acid consumption.

(4) Pregnant women who reported tkaing a multivitamin in the past month; proxy for prenatal iron consumption.

(5) National includes previous year's data for all participating States and ITOs.

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

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Michigan

Comparison of Smoking Indicators by Contributor to National (4)

Comparison of Smoking Indicators ⁽²⁾										
Contributor	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽³⁾		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	%	Number	%	Number	%	Number	%	Number	%
Michigan	31,723	10.3	41,470	4.5	3,060	41.6	31,605	11.1	41,446	4.9
National (Prior Year)	40,473	22.0	47,284	6.2	7,409	32.6	39,853	9.6	51,116	5.5

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

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

(4) National includes previous year's data for all participating States and ITOs.

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

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Michigan

Comparison of Infant Health Indicators by Contributor to National (7)

Comparison of Infant Health Indicators (2)									
Contributor	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (3)		High (4)	(5)		(6)			
	Number	%	%	Number	%	Number	%	Number	%
Michigan	38,264	11.5	5.9	39,791	13.4	32,907	5.3	39,073	75.2
National (Prior Year)	47,760	11.0	5.8	49,201	13.1	40,792	5.0	48,458	47.2

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

(7) National includes previous year's data for all participating States and ITOs.

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

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Michigan

Maternal Health Indicators by Race/Ethnicity, Age, or Education

Maternal Health Indicators by Race/Ethnicity, Age, or Education (2)

Maternal Health Indicators by Race/Ethnicity, Age, or Education ⁽²⁾														
	Prepregnancy BMI ⁽³⁾			Weight Gain ⁽⁴⁾			Anemia (Low Hb/Hct) ⁽⁵⁾				Gestational Diabetes		Hypertension During Pregnancy	
	Number	%	%	Number	%	%	3rd Trimester		Postpartum					
Race/Ethnicity														
White, Not Hispanic	17,235	5.2	59.3	9,902	15.0	56.9	3,192	28.8	6,275	19.7	20,832	9.7	20,839	14.6
Black, Not Hispanic	9,516	4.2	63.1	5,736	16.4	55.6	2,100	47.3	2,836	38.3	11,352	7.5	11,357	16.9
Hispanic	4,411	3.4	65.2	2,352	21.7	51.0	1,088	28.1	1,665	23.9	6,096	10.1	6,091	11.6
American Indian/Alaska Native	140	5.0	50.0	79	*	*	24	*	39	*	147	10.2	148	12.8
Asian/Pacific Islander	1,007	5.0	48.5	695	28.9	35.4	204	30.9	384	23.2	1,253	18.4	1,254	6.5
Multiple Races	1,458	4.9	59.4	827	15.4	58.9	292	38.0	477	29.6	1,693	8.8	1,694	14.5
All Other/Unknown	10	*	*	10	*	*	0	*	3	*	15	*	15	*
Total	33,778	4.7	60.8	19,602	16.8	55.1	6,900	34.8	11,679	25.4	41,389	9.4	41,399	14.5
Age														
< 15 Years	23	*	*	12	*	*	8	*	2	*	32	*	32	*
15 - 17 Years	523	15.3	29.8	278	23.0	52.2	110	42.7	142	31.0	614	2.0	615	13.0
18 - 19 Years	1,673	12.6	40.9	887	16.0	58.9	382	42.4	484	29.5	1,948	3.5	1,948	13.3
20 - 29 Years	19,242	5.1	58.6	11,058	16.5	55.6	4,029	33.8	6,609	25.3	23,263	7.1	23,265	13.3
30 - 39 Years	10,770	1.9	70.0	6,484	16.9	54.3	2,107	34.5	3,917	24.6	13,663	14.1	13,667	16.7
>= 40 Years	816	1.0	73.5	444	20.0	49.1	143	32.9	320	23.4	1,019	19.6	1,022	20.4
Unknown	731	11.2	39.7	439	16.4	56.5	121	43.8	205	31.7	850	3.3	850	12.7
Total	33,778	4.7	60.8	19,602	16.8	55.1	6,900	34.8	11,679	25.4	41,389	9.4	41,399	14.5
Education														
< High School	5,768	6.2	58.0	3,292	20.3	51.0	1,331	39.2	1,966	28.3	7,729	8.8	7,730	12.9
High School	16,344	5.0	60.4	9,384	16.4	55.9	3,363	35.4	5,339	26.4	19,887	9.2	19,900	14.7
> High School	10,646	2.9	64.5	6,325	15.6	56.0	2,006	30.1	4,037	22.1	12,492	10.6	12,489	15.7
Excluded Unknown	1,020	9.3	44.4	601	16.1	57.1	200	44.5	337	30.6	1,281	5.3	1,280	11.7
Total	33,778	4.7	60.8	19,602	16.8	55.1	6,900	34.8	11,679	25.4	41,389	9.4	41,399	14.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

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2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education

Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education (2)									
	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Pregnancy (3)		During Pregnancy (4)	
	Number	%	%	Number	%	Number	%	Number	%
Race/Ethnicity									
White, Not Hispanic	19,228	94.0	0.5	22,137	31.0	21,825	26.5	16,352	88.7
Black, Not Hispanic	10,686	87.6	0.5	12,044	19.8	11,703	15.8	8,084	83.9
Hispanic	5,543	90.2	0.5	6,464	26.7	5,952	17.5	5,009	88.0
American Indian/Alaska Native	146	90.4	1.4	175	30.3	170	29.4	126	86.5
Asian/Pacific Islander	1,167	95.1	0.1	1,296	24.8	1,227	19.9	944	84.0
Multiple Races	1,557	89.9	0.8	1,820	28.3	1,792	21.4	1,339	87.8
All Other/Unknown	15	*	*	174	1.1	15	*	0	*
Total	38,343	91.5	0.5	44,111	26.9	42,685	21.9	31,855	87.2
Age									
< 15 Years	31	*	*	34	*	34	*	26	*
15 - 17 Years	558	76.9	1.4	662	25.5	629	9.4	526	85.6
18 - 19 Years	1,795	88.9	0.6	2,107	29.2	2,033	13.4	1,672	86.1
20 - 29 Years	21,589	92.1	0.5	24,873	26.2	24,085	20.4	17,990	87.3
30 - 39 Years	12,650	92.0	0.5	14,391	27.3	13,936	26.3	10,172	87.3
>= 40 Years	934	91.2	0.4	1,127	32.9	1,081	31.5	813	87.6
Unknown	786	85.2	1.1	917	27.3	887	13.1	656	85.7
Total	38,343	91.5	0.5	44,111	26.9	42,685	21.9	31,855	87.2
Education									
< High School	7,043	87.3	0.6	8,175	25.6	7,775	15.0	5,956	83.6
High School	18,460	91.4	0.5	21,144	27.1	20,561	20.2	15,513	87.3
> High School	11,670	94.7	0.4	13,243	27.7	13,024	29.5	9,452	89.5
Excluded Unknown	1,170	87.0	1.0	1,549	23.6	1,325	15.1	934	84.3
Total	38,343	91.5	0.5	44,111	26.9	42,685	21.9	31,855	87.2

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

(2) Excludes records with unknown data for behavioral indicators, and data with errors for behavioral and demographic indicators.

(3) Woman who reported taking a multivitamin four a weeks or more in the month before pregnancy. proxy for folic acid consumption.

(4) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

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

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Michigan

Smoking Indicators by Race/Ethnicity, Age, or Education

Smoking Indicators by Race/Ethnicity, Age, or Education (2)										
	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	%	Number	%	Number	%	Number	%	Number	%
Race/Ethnicity										
White, Not Hispanic	16,271	13.6	20,873	6.4	2,074	36.3	16,248	13.4	20,855	6.6
Black, Not Hispanic	8,061	7.5	11,371	2.6	560	56.3	8,004	10.3	11,330	3.1
Hispanic	4,988	4.5	6,105	1.6	222	59.0	4,967	5.5	6,108	2.5
American Indian/Alaska Native	127	18.1	150	10.0	21	*	124	21.0	150	4.7
Asian/Pacific Islander	946	0.4	1,259	0.5	3	*	935	1.9	1,255	1.8
Multiple Races	1,329	14.3	1,695	6.2	179	35.8	1,324	14.8	1,694	5.8
All Other/Unknown	0	*	16	*	0	*	2	*	53	*
Total	31,723	10.3	41,470	4.5	3,060	41.6	31,605	11.1	41,446	4.9
Age										
< 15 Years	26	*	32	*	2	*	26	*	31	*
15 - 17 Years	523	4.4	618	1.3	25	*	523	21.0	621	6.4
18 - 19 Years	1,669	7.9	1,956	1.1	124	62.1	1,655	18.6	1,946	6.6
20 - 29 Years	17,888	8.7	23,301	3.2	1,487	47.9	17,848	10.5	23,280	4.6
30 - 39 Years	10,155	13.7	13,687	7.1	1,284	32.4	10,090	10.0	13,688	4.9
>= 40 Years	815	12.9	1,021	7.9	87	*	808	9.9	1,028	3.8
Unknown	647	7.0	855	1.1	51	*	655	20.0	852	7.5
Total	31,723	10.3	41,470	4.5	3,060	41.6	31,605	11.1	41,446	4.9
Education										
< High School	5,934	15.1	7,734	7.7	829	33.3	5,902	14.4	7,724	6.8
High School	15,433	10.5	19,928	4.4	1,525	42.2	15,396	11.4	19,908	4.9
> High School	9,430	7.2	12,519	2.8	633	49.8	9,373	7.9	12,492	3.5
Excluded Unknown	926	7.2	1,289	1.8	73	*	934	17.9	1,322	6.2
Total	31,723	10.3	41,470	4.5	3,060	41.6	31,605	11.1	41,446	4.9

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

(2) Excludes records with unknown data for smoking indicators, and data with errors for smoking and demographic indicators.

(3) Among women who smoked 3 months prior to pregnancy.

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

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Table 12C

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Infant Health Indicators by Race/Ethnicity, Age, or Education

Infant Health Indicators by Race/Ethnicity, Age, or Education (2)									
	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low		High	(5)		(6)			
	Number	%	(3)	Number	%	Number	%	Number	%
Race/Ethnicity									
White, Not Hispanic	19,364	9.7	7.4	20,011	12.5	16,827	3.9	19,653	78.3
Black, Not Hispanic	10,493	16.3	3.1	10,998	15.8	8,762	8.3	10,757	67.1
Hispanic	5,570	8.8	6.1	5,834	12.2	4,844	4.0	5,760	78.0
American Indian/Alaska Native	120	9.2	8.3	126	14.3	102	2.9	120	83.3
Asian/Pacific Islander	1,126	12.6	4.5	1,189	11.9	991	8.4	1,166	81.6
Multiple Races	1,576	10.9	6.0	1,616	12.1	1,367	5.1	1,601	76.1
All Other/Unknown	14	*	*	16	*	13	*	15	*
Total	38,264	11.5	5.9	39,791	13.4	32,907	5.3	39,073	75.2
Age									
< 15 Years	28	*	*	30	*	22	*	28	*
15 - 17 Years	570	9.8	2.8	594	13.3	486	6.0	580	67.1
18 - 19 Years	1,818	10.9	3.3	1,891	12.4	1,577	7.3	1,849	73.4
20 - 29 Years	21,626	9.2	5.7	22,429	11.9	18,891	5.1	22,037	76.1
30 - 39 Years	12,541	10.7	6.6	13,087	15.6	10,543	5.3	12,862	74.7
>= 40 Years	878	13.7	7.1	930	21.4	682	5.0	905	76.2
Unknown	803	11.5	5.0	830	11.6	706	6.8	812	68.1
Total	38,264	11.5	5.9	39,791	13.4	32,907	5.3	39,073	75.2
Education									
< High School	7,000	11.3	4.7	7,414	14.2	5,942	6.4	7,240	66.2
High School	18,459	9.9	5.7	19,150	13.0	15,932	5.5	18,806	73.0
> High School	11,624	9.1	6.9	11,979	13.6	9,989	4.3	11,811	84.4
Excluded Unknown	1,181	10.2	4.4	1,248	11.2	1,044	5.8	1,216	72.9
Total	38,264	11.5	5.9	39,791	13.4	32,907	5.3	39,073	75.2

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

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Table 13C

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Maternal Weight Gain and Birth Outcomes by Select Health Indicators

Maternal Weight Gain and Birth Outcomes by Select Health Indicators (2)										
	Weight Gain (3)			Birthweight			Preterm (6)		Full Term LBW (7)	
	< Ideal	> Ideal		Low (4)	High (5)					
	Number	%	%	Number	%	%	Number	%	Number	%
Prepregnancy BMI										
Underweight	916	29.4	33.0	1,357	17.4	1.8	1,400	13.9	1,162	10.3
Normal Weight	6,955	23.0	45.4	10,119	12.5	4.0	10,443	12.5	8,778	6.3
Overweight	4,849	9.4	64.1	7,200	10.3	6.0	7,426	12.4	6,275	4.7
Obese	6,882	14.1	61.6	10,811	10.6	8.1	11,105	14.2	9,197	4.4
Weight Gain										
< Ideal	-	-	-	3,049	19.0	2.8	3,153	17.6	2,499	9.9
Ideal	-	-	-	5,234	12.5	3.9	5,353	13.8	4,474	6.3
> Ideal	-	-	-	10,361	8.8	7.9	10,544	11.4	9,091	3.8
Smoking During Pregnancy										
Smokers	648	17.9	56.3	1,411	15.4	3.5	1,478	16.4	1,175	8.8
Non-Smokers	11,434	15.9	56.2	25,254	9.7	6.2	26,250	12.2	22,161	4.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

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

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Table 14C

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Summary of Trends in Racial and Ethnic Distribution

Summary of Trends in Racial and Ethnic Distribution (2)

Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2024	44,869	50.2	27.3	14.6	0.4	3.0	4.2	0.5
2023	46,160	50.6	28.4	12.8	0.3	2.8	4.6	0.4
2022	47,919	51.7	28.7	11.8	0.4	2.6	4.6	0.3
2021	48,337	51.3	30.0	11.3	0.3	2.4	4.5	0.3
2020	50,034	50.8	30.8	10.9	0.4	2.3	4.6	0.3
2019	54,099	51.1	30.6	10.6	0.4	2.1	4.8	0.4
2018	55,407	51.7	29.9	10.5	0.4	2.1	4.9	0.5
2017	57,669	52.1	30.4	10.4	0.3	2.3	4.0	0.5
2016	60,139	53.6	28.9	10.6	0.3	2.1	4.0	0.5
2015	63,103	54.0	29.0	10.2	0.4	2.1	3.6	0.8
2014	65,941	55.7	28.0	9.7	0.4	2.0	3.6	0.6
2013	67,256	55.5	28.3	9.9	0.4	2.0	3.5	0.6
2012	67,977	56.2	27.5	10.0	0.4	1.9	3.4	0.6
2011	68,267	57.0	27.3	10.0	0.4	1.7	2.9	0.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

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

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Table 15C
2024 Pregnancy Nutrition Surveillance (1)
Michigan
Summary of Trends in Age Distribution

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Summary of Trends in Age Distribution (2)								
Year	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
2024	44,870	0.1	1.5	4.8	56.3	32.7	2.6	2.1
2023	46,161	0.1	1.5	5.3	56.9	32.3	2.5	1.4
2022	47,924	0.1	1.6	5.9	58.5	30.8	2.3	0.7
2021	48,337	0.1	2.0	6.3	59.7	29.4	2.2	0.4
2020	50,036	0.1	2.2	6.8	60.6	27.9	2.1	0.3
2019	54,102	0.1	2.4	7.4	61.8	26.1	2.0	0.2
2018	55,413	0.1	2.6	7.7	62.5	25.1	2.0	0.1
2017	57,676	0.1	2.8	7.7	63.1	24.3	1.8	0.1
2016	60,143	0.1	3.0	7.9	63.4	23.7	1.8	0.1
2015	63,108	0.1	3.2	8.4	63.8	22.8	1.6	0.2
2014	65,945	0.2	3.4	9.1	63.5	22.1	1.7	0.2
2013	67,261	0.2	3.9	9.8	63.1	21.2	1.6	0.2
2012	67,977	0.2	4.5	10.7	62.2	20.5	1.5	0.3
2011	68,267	0.2	4.9	11.5	61.7	19.9	1.5	0.3

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

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

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Table 16C

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Summary of Trends in Maternal Health Indicators

Summary of Trends in Maternal Health Indicators (2)										
Year	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct) (5)			
	(3)			(4)						
	Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
	Number	%	%	Number	%	%	Number	%	Number	%
2024	33,778	4.7	60.8	19,602	16.8	55.1	6,900	34.8	11,679	25.4
2023	35,984	4.3	61.6	21,505	17.5	54.1	3,531	34.3	9,106	23.2
2022	36,308	4.0	62.2	22,132	18.5	51.9	1,472	31.5	2,621	25.6
2021	35,616	3.8	62.1	21,801	17.6	53.3	608	32.1	1,368	23.8
2020	36,925	4.0	60.9	21,575	18.2	52.2	2,834	39.8	956	30.9
2019	43,733	4.2	60.6	27,372	19.1	51.5	9,098	45.0	12,203	30.7
2018	45,296	4.3	59.5	29,118	19.1	51.0	9,090	49.4	12,050	37.9
2017	47,111	4.3	58.8	31,292	19.1	51.9	9,416	49.2	11,325	36.6
2016	51,019	4.4	58.1	33,141	19.4	51.2	9,642	45.1	12,082	34.6
2015	53,616	4.4	56.8	44,468	19.6	50.7	9,750	41.4	12,310	31.6
2014	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7
2013	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7
2012	61,321	4.4	54.9	48,759	17.4	51.3	9,736	38.4	12,636	27.9
2011	62,450	4.4	54.4	50,780	17.6	51.0	10,073	35.7	13,689	27.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

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2024 Pregnancy Nutrition Surveillance (1)
Michigan
Summary of Maternal Behavioral Indicators

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Summary of Maternal Behavioral Indicators (2)					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
2024	38,343	91.5	0.5	44,111	26.9
2023	39,293	91.8	0.6	45,366	28.9
2022	41,530	91.7	0.5	46,804	26.8
2021	42,342	90.6	2.0	47,286	27.0
2020	45,167	85.6	6.4	49,385	29.3
2019	49,415	84.9	6.6	53,324	28.5
2018	50,875	84.3	6.8	54,591	29.4
2017	53,045	83.1	7.7	56,717	30.6
2016	54,902	82.2	8.4	59,189	32.4
2015	57,579	81.1	9.4	62,203	34.1
2014	60,317	79.7	10.8	64,954	35.7
2013	61,039	79.9	10.5	66,266	36.9
2012	61,308	79.8	10.6	67,036	38.0
2011	60,703	81.1	9.2	67,132	36.7

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

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

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Table 18C

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Summary of Trends in Smoking Indicators

Summary of Trends in Smoking Indicators (2)										
Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	%	Number	%	Number	%	Number	%	Number	%
2024	31,723	10.3	41,470	4.5	3,060	41.6	31,605	11.1	41,446	4.9
2023	33,089	15.8	41,903	5.7	4,925	45.2	33,292	10.2	42,493	6.0
2022	33,554	17.5	44,427	7.2	5,392	42.2	33,562	6.0	44,801	3.5
2021	35,714	19.7	44,742	9.2	6,188	42.4	33,791	6.1	44,858	1.9
2020	43,650	22.6	45,656	11.5	7,693	39.4	36,252	8.6	45,631	2.0
2019	47,367	24.7	49,881	13.5	9,363	38.4	39,647	10.1	49,826	2.9
2018	48,601	26.1	51,441	13.9	10,331	38.9	40,995	10.4	51,462	3.0
2017	51,028	27.1	53,711	14.1	11,398	39.3	43,712	11.3	53,738	3.2
2016	53,738	28.6	55,530	15.1	12,776	39.3	46,598	11.9	55,576	3.4
2015	56,882	30.6	58,245	15.8	14,580	39.6	49,656	13.4	58,264	4.2
2014	60,217	32.0	61,120	16.4	16,301	39.4	52,726	14.6	61,124	4.5
2013	62,025	32.3	61,793	16.8	18,044	36.4	54,649	15.1	61,835	5.0
2012	63,072	32.4	61,988	16.9	16,769	38.6	55,380	16.0	61,994	4.9
2011	64,049	32.8	61,427	16.9	16,751	39.5	55,787	16.8	61,403	5.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

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

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Table 19C

2024 Pregnancy Nutrition Surveillance (1)

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Michigan

Summary of Trends in Infant Health Indicators

Summary of Trends in Infant Health Indicators (2)									
Year	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (3)		High (4)	(5)		(6)			
	Number	%	%	Number	%	Number	%	Number	%
2024	38,264	11.5	5.9	39,791	13.4	32,907	5.3	39,073	75.2
2023	39,736	11.4	5.8	41,121	13.2	34,238	5.2	40,322	74.6
2022	41,947	11.5	5.9	43,460	13.2	36,146	5.3	42,370	75.5
2021	41,563	11.5	6.3	43,647	13.2	35,837	5.2	41,966	69.0
2020	42,825	10.8	6.1	44,372	12.6	37,125	4.8	43,607	64.8
2019	47,135	10.4	6.4	48,449	12.5	40,866	4.5	47,531	67.8
2018	48,594	10.2	6.7	49,968	12.5	42,176	4.5	48,971	67.7
2017	50,526	10.2	6.7	52,025	12.4	43,785	4.3	51,003	66.7
2016	52,145	9.8	6.9	53,729	12.3	45,193	4.2	52,506	66.2
2015	54,702	9.7	6.9	56,532	11.9	47,832	4.2	54,837	65.1
2014	57,572	9.0	7.0	59,292	11.8	50,471	3.8	57,574	63.6
2013	58,028	8.7	7.2	59,882	11.5	50,981	3.7	58,101	63.1
2012	58,368	8.8	7.3	60,111	12.1	50,877	3.7	58,753	61.2
2011	58,040	8.6	7.1	59,523	11.7	50,780	3.6	58,401	60.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

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Michigan

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity	Year	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct) (5)			
		(3)			(4)						
		Under-weight	Over-weight		< Ideal	> Ideal		3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
White, Not Hispanic	2024	17,235	5.2	59.3	9,902	15.0	56.9	3,192	28.8	6,275	19.7
	2023	18,414	4.9	59.7	10,945	16.3	55.8	1,833	29.1	5,151	18.9
	2022	19,024	4.5	60.9	11,540	17.6	53.9	806	24.6	1,589	21.8
	2021	18,598	4.2	60.3	11,546	16.7	53.9	296	24.7	768	20.6
Black, Not Hispanic	2024	9,516	4.2	63.1	5,736	16.4	55.6	2,100	47.3	2,836	38.3
	2023	10,538	3.6	64.4	6,547	17.4	54.7	875	48.6	2,074	35.6
	2022	10,698	3.7	64.2	6,778	18.1	51.1	254	50.4	442	37.1
	2021	10,914	3.4	64.7	6,648	17.8	54.4	125	49.6	236	38.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds, obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

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Michigan

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity	Year	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct) (5)			
		(3)			(4)						
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
Hispanic	2024	4,411	3.4	65.2	2,352	21.7	51.0	1,088	28.1	1,665	23.9
	2023	4,178	3.3	66.2	2,293	21.6	48.4	534	31.1	1,134	21.3
	2022	3,863	2.3	66.2	2,108	22.2	47.2	290	31.4	401	27.2
	2021	3,636	2.6	67.0	2,104	21.5	49.3	131	32.1	236	19.5
American Indian/Alaska Native	2024	140	5.0	50.0	79	*	*	24	*	39	*
	2023	122	3.3	63.1	71	*	*	12	*	32	*
	2022	148	3.4	60.8	101	22.8	54.5	9	*	16	*
	2021	133	3.0	60.9	77	*	*	1	*	4	*

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

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Michigan

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity	Year	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct) (5)			
		(3)			(4)						
		Under-weight	Over-weight		< Ideal	> Ideal		3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
Asian/Pacific Islander	2024	1,007	5.0	48.5	695	28.9	35.4	204	30.9	384	23.2
	2023	1,010	5.1	46.9	671	28.0	33.5	110	24.5	304	17.8
	2022	857	4.8	47.5	564	28.4	32.3	33	*	53	*
	2021	695	5.2	44.7	430	29.3	31.9	20	*	49	*
Multiple Races	2024	1,458	4.9	59.4	827	15.4	58.9	292	38.0	477	29.6
	2023	1,714	4.4	62.4	973	13.8	59.0	166	34.3	409	24.2
	2022	1,710	3.9	61.9	1,036	16.9	54.3	80	*	120	25.0
	2021	1,639	4.1	61.2	996	14.7	57.4	35	*	75	*

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

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Michigan

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity	Year	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct) (5)			
		(3)			(4)						
		Under-weight	Over-weight		< Ideal	> Ideal		3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
All Other/Unknown	2024	10	*	*	10	*	*	0	*	3	*
	2023	7	*	*	5	*	*	0	*	2	*
	2022	4	*	*	3	*	*	0	*	0	*
	2021	1	*	*	0	*	*	0	*	0	*
Total All Race/Ethnic Groups	2024	33,778	4.7	60.8	19,602	16.8	55.1	6,900	34.8	11,679	25.4
	2023	35,984	4.3	61.6	21,505	17.5	54.1	3,531	34.3	9,106	23.2
	2022	36,308	4.0	62.2	22,132	18.5	51.9	1,472	31.5	2,621	25.6
	2021	35,616	3.8	62.1	21,801	17.6	53.3	608	32.1	1,368	23.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

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Michigan

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity	Year	Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
White, Not Hispanic	2024	19,228	94.0	0.5	22,137	31.0
	2023	19,953	94.2	0.5	22,957	32.3
	2022	21,292	94.0	0.4	24,162	30.4
	2021	21,617	92.2	2.2	24,224	30.1
Black, Not Hispanic	2024	10,686	87.6	0.5	12,044	19.8
	2023	11,405	87.7	0.7	12,939	22.6
	2022	12,268	88.1	0.7	13,504	19.8
	2021	12,957	88.4	1.4	14,217	21.0

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

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

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Michigan

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity	Year	Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Hispanic	2024	5,543	90.2	0.5	6,464	26.7
	2023	4,922	91.2	0.6	5,805	30.0
	2022	4,861	91.3	0.3	5,514	27.7
	2021	4,758	88.3	2.3	5,319	28.0
American Indian/Alaska Native	2024	146	90.4	1.4	175	30.3
	2023	116	95.7	0.9	140	31.4
	2022	148	91.2	0.7	170	30.0
	2021	135	89.6	2.2	154	34.4

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

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

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Michigan

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity	Year	Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Asian/Pacific Islander	2024	1,167	95.1	0.1	1,296	24.8
	2023	1,142	95.0	0.6	1,283	26.2
	2022	1,091	93.1	0.4	1,201	26.3
	2021	1,023	95.6	1.2	1,119	26.0
Multiple Races	2024	1,557	89.9	0.8	1,820	28.3
	2023	1,750	91.1	0.5	2,080	30.9
	2022	1,864	90.9	0.6	2,133	28.3
	2021	1,848	90.7	2.4	2,114	30.1

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

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

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Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity	Year	Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
All Other/Unknown	2024	15	*	*	174	1.1
	2023	4	*	*	161	1.9
	2022	2	*	*	115	1.7
	2021	4	*	*	139	0.7
Total All Race/Ethnic Groups	2024	38,343	91.5	0.5	44,111	26.9
	2023	39,293	91.8	0.6	45,366	28.9
	2022	41,530	91.7	0.5	46,804	26.8
	2021	42,342	90.6	2.0	47,286	27.0

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

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

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Michigan

Summary of Trends in Smoking Indicators by Race/Ethnicity

Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾											
Race/Ethnicity	Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽³⁾		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
White, Not Hispanic	2024	16,271	13.6	20,873	6.4	2,074	36.3	16,248	13.4	20,855	6.6
	2023	17,031	20.3	21,124	8.4	3,257	37.8	17,149	12.4	21,600	8.0
	2022	17,656	23.0	22,820	10.5	3,722	36.8	17,676	6.8	23,151	4.3
	2021	18,560	26.0	22,898	13.3	4,224	36.4	17,526	6.9	23,028	2.1
Black, Not Hispanic	2024	8,061	7.5	11,371	2.6	560	56.3	8,004	10.3	11,330	3.1
	2023	8,948	11.6	12,093	2.8	981	65.9	8,998	8.6	12,137	3.9
	2022	9,137	11.1	12,994	3.4	941	57.0	9,140	5.8	13,002	2.6
	2021	10,392	12.4	13,552	4.3	1,139	58.9	9,833	6.4	13,547	1.9

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

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

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Michigan

Summary of Trends in Smoking Indicators by Race/Ethnicity

Summary of Trends in Smoking Indicators by Race/Ethnicity (2)											
Race/Ethnicity	Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
Hispanic	2024	4,988	4.5	6,105	1.6	222	59.0	4,967	5.5	6,108	2.5
	2023	4,503	7.8	5,431	2.1	330	58.5	4,521	5.5	5,452	3.1
	2022	4,175	9.3	5,247	3.0	356	55.6	4,157	3.2	5,263	2.1
	2021	4,151	10.5	5,091	3.8	400	58.0	3,945	3.1	5,074	1.1
American Indian/Alaska Native	2024	127	18.1	150	10.0	21	*	124	21.0	150	4.7
	2023	102	30.4	119	19.3	27	*	104	12.5	125	8.0
	2022	119	36.1	157	17.2	37	*	118	11.0	159	4.4
	2021	127	43.3	139	25.2	45	*	121	5.8	139	4.3

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

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

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Summary of Trends in Smoking Indicators by Race/Ethnicity

Summary of Trends in Smoking Indicators by Race/Ethnicity (2)											
Race/Ethnicity	Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
Asian/Pacific Islander	2024	946	0.4	1,259	0.5	3	*	935	1.9	1,255	1.8
	2023	933	1.8	1,243	0.7	19	*	937	2.3	1,232	1.4
	2022	867	1.2	1,187	0.1	11	*	867	1.4	1,185	1.2
	2021	852	1.1	1,086	0.9	8	*	789	1.4	1,085	0.8
Multiple Races	2024	1,329	14.3	1,695	6.2	179	35.8	1,324	14.8	1,694	5.8
	2023	1,571	21.8	1,887	7.3	310	42.9	1,582	13.0	1,918	7.1
	2022	1,597	22.1	2,015	9.1	324	44.8	1,601	7.6	2,033	4.6
	2021	1,632	25.6	1,972	12.0	372	44.6	1,577	6.0	1,981	2.1

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

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

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Michigan

Summary of Trends in Smoking Indicators by Race/Ethnicity

Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾											
Race/Ethnicity	Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽³⁾		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
All Other/Unknown	2024	0	*	16	*	0	*	2	*	53	*
	2023	0	*	5	*	0	*	0	*	28	*
	2022	0	*	2	*	0	*	0	*	3	*
	2021	0	*	4	*	0	*	0	*	4	*
Total All Race/Ethnic Groups											
	2024	31,723	10.3	41,470	4.5	3,060	41.6	31,605	11.1	41,446	4.9
	2023	33,089	15.8	41,903	5.7	4,925	45.2	33,292	10.2	42,493	6.0
	2022	33,554	17.5	44,427	7.2	5,392	42.2	33,562	6.0	44,801	3.5
	2021	35,714	19.7	44,742	9.2	6,188	42.4	33,791	6.1	44,858	1.9

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

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

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Michigan

Summary of Trends in Infant Health Indicators by Race/Ethnicity

Summary of Trends in Infant Health Indicators by Race/Ethnicity ⁽²⁾										
Race/Ethnicity	Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)	High (4)							
		Number	%	%	Number	%	Number	%	Number	%
White, Not Hispanic	2024	19,364	9.7	7.4	20,011	12.5	16,827	3.9	19,653	78.3
	2023	20,213	9.2	7.6	20,865	11.5	17,778	4.0	20,480	79.0
	2022	21,645	9.5	7.1	22,392	11.9	18,918	4.1	21,864	80.1
	2021	21,281	9.5	7.9	22,377	11.8	18,642	4.0	21,510	73.5
	Black, Not Hispanic	2024	10,493	16.3	3.1	10,998	15.8	8,762	8.3	10,757
2023		11,360	16.3	2.9	11,821	16.8	9,373	7.9	11,527	64.5
2022		12,242	16.2	3.7	12,674	16.1	10,190	8.0	12,325	66.1
2021		12,585	16.0	3.4	13,183	16.0	10,491	7.8	12,653	59.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

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Michigan

Summary of Trends in Infant Health Indicators by Race/Ethnicity

Summary of Trends in Infant Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity	Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
Hispanic	2024	5,570	8.8	6.1	5,834	12.2	4,844	4.0	5,760	78.0
	2023	5,105	8.7	5.8	5,265	12.1	4,455	3.9	5,212	78.7
	2022	4,938	8.3	6.8	5,102	12.0	4,316	3.9	5,002	76.8
	2021	4,775	8.6	7.7	4,961	12.6	4,149	3.6	4,832	70.6
American Indian/Alaska Native	2024	120	9.2	8.3	126	14.3	102	2.9	120	83.3
	2023	114	7.0	11.4	119	8.4	104	1.9	115	83.5
	2022	141	7.8	10.6	152	11.2	123	2.4	142	80.3
	2021	113	6.2	11.5	132	11.4	99	*	114	71.1

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

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Michigan

Summary of Trends in Infant Health Indicators by Race/Ethnicity

Summary of Trends in Infant Health Indicators by Race/Ethnicity ⁽²⁾										
Race/Ethnicity	Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)	High (4)							
		Number	%	%	Number	%	Number	%	Number	%
Asian/Pacific Islander	2024	1,126	12.6	4.5	1,189	11.9	991	8.4	1,166	81.6
	2023	1,153	14.4	3.2	1,198	12.6	998	8.8	1,181	79.8
	2022	1,102	13.9	4.0	1,151	12.0	960	9.6	1,128	80.4
	2021	983	13.5	3.2	1,060	11.5	865	8.1	1,014	76.9
Multiple Races	2024	1,576	10.9	6.0	1,616	12.1	1,367	5.1	1,601	76.1
	2023	1,786	11.4	5.7	1,847	13.8	1,526	5.0	1,802	74.2
	2022	1,874	10.9	5.2	1,983	12.6	1,635	4.8	1,904	78.6
	2021	1,823	9.9	7.0	1,930	12.7	1,589	4.6	1,839	72.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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

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Summary of Trends in Infant Health Indicators by Race/Ethnicity

Summary of Trends in Infant Health Indicators by Race/Ethnicity ⁽²⁾										
Race/Ethnicity	Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
All Other/Unknown	2024	14	*	*	16	*	13	*	15	*
	2023	4	*	*	5	*	4	*	4	*
	2022	1	*	*	2	*	1	*	1	*
	2021	3	*	*	4	*	2	*	4	*
Total All Race/Ethnic Groups	2024	38,264	11.5	5.9	39,791	13.4	32,907	5.3	39,073	75.2
	2023	39,736	11.4	5.8	41,121	13.2	34,238	5.2	40,322	74.6
	2022	41,947	11.5	5.9	43,460	13.2	36,146	5.3	42,370	75.5
	2021	41,563	11.5	6.3	43,647	13.2	35,837	5.2	41,966	69.0

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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