WIC PNSS & PedNSS

Run Date: 2/7/2020

Table 1C

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2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Demographic Indicators

Children Aged < 5 Years (2,3)

Total Records	Number
Individual Children	
Total Records (All Visits)	121,432

Source of Data	Number	%
WIC		100.0
EPSDT		0.0
Child Health-MCH		0.0
Child Health-HMO		0.0
HeadStart		0.0
School Health		0.0
Other		0.0
Total		**100.0**
Excluded Unknown	*0*	*0.0 %*

Race/Ethnic Distribution	Number	%
White, Not Hispanic		52.8
Black, Not Hispanic		14.6
Hispanic		21.4
American Indian/Alaska Native		0.5
Asian/Pacific Islander		3.2
Multiple Races		7.5
All Other		0.0
Total		**100.0**
Excluded Unknown	*8*	*0.0 %*

Age Distribution (4)	Number	%
0 - 5 Months		24.6
6 - 11 Months		14.2
12 - 23 Months		19.1
24 - 35 Months		15.7
3 - 4 Years		26.4
Total		**100.0**

% of Poverty Level	Number	%
0 - 50		29.3
51 - 100		29.5
101 - 130		16.5
131 - 150		8.1
151 - 185		9.1
186 - 200		1.8
Over 200		5.8
Adjunctive Eligibility		0.0
Total		**100.0**
Excluded Unknown	*452*	*0.7 %*

Program Participation	Number	%
WIC		100.0
SNAP		15.1
Medicaid		76.4
Tanf		1.2
Excluded Unknown		
WIC		0.0
SNAP		5.1
Medicaid		5.1
Tanf		5.1

Migrant Status	Number	%
Yes		0.0
No		100.0
Total		**100.0**
Excluded Unknown	*0*	*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 or errors.
(4) Records rejected if date of birth and date of visit unknown

WIC PNSS & PedNSS

Table 2C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Health Indicators

Children Aged < 5 Years (2)

Summary of Health Indicators (3)

	Iowa Prevalence		National (10) Prevalence (Prior Year)	
	Number	%	Number	%
Birthweight				
Low		9.7		10.6
High		7.7		6.2
Height and Weight (5,6) (3)				
< 5 Yrs Short Stature		7.7		7.9
< 5 Yrs Underweight		2.1		3.2
< 5 Yrs Obese		13.6		10.3
>= 2 Yrs Overweight		17.2		15.9
>=2 Yrs Obese		15.1		12.9
Anemia (7)				
Low Hb		10.1		14.6
Low Hct		0.0		37.1
Low Hb/Hct		10.1		14.6
Breastfeeding (8)				
Ever Breastfed		71.0		73.5
Breastfed At Least 6 Months		25.8		36.7
Breastfed At Least 12 Months		18.1		28.0
Smoking in Household		2.9		3.3
<= 2 Hours TV Viewing/ Day (9)		82.9		81.4

(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) Infants born during the reporting period included in the analysis. Low birthweight is defined as < 2500 grams and high birthweight is defined as > 4000 grams.
(5) 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.
(6) 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.
(7) 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.
(8) 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.
(9) Children aged 2 years and older included in the analysis.
(10) 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.

WIC PNSS & PedNSS

Table 3C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Breastfeeding Indicators

Children Aged < 5 Years (2)

Summary of Breastfeeding Indicators (3)				
	Iowa Prevalence		National (7) Prevalence (Prior Year)	
	Number	%	Number	%
Breastfeeding Duration (4,5)				
Ever Breastfed		71.0		73.5
Breastfed 1+ Weeks		64.9		67.0
Breastfed 2+ Weeks		63.2		64.3
Breastfed 3+ Weeks		59.3		60.6
Breastfed 4+ Weeks		55.6		57.4
Breastfed 6+ Weeks		48.6		51.6
Breastfed 2+ Months		40.5		47.0
Breastfed 3+ Months		35.4		43.1
Breastfed 4+ Months		32.6		40.6
Breastfed 5+ Months		28.1		38.2
Breastfed 6+ Months		25.8		36.7
Breastfed 9+ Months		21.0		32.0
Breastfed 12+ Months		18.1		28.0
Breastfed 18+ Months		11.3		20.7
Exclusive Breastfeeding (6)				
Exclusively Breastfed at Least 3 Months		16.6		18.1
Exclusively Breastfed at Least 6 Months		6.0		7.9

(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) Infants born during the reporting period included in the Ever Breastfed analysis. For each breastfeding duration category, the analysis includes only children who turned that age during the reporting period by/on their date of visit. For example, infants who turned 9 months old during the reporting period by/on their date of visit are included in the 9+ months analysis.
(5) It is possible the analysis will show that slightly more infants are breastfed at older ages, e.g. 1+ weeks of age, than at younger ages, e.g. at birth (ever breastfed), due to variation in infants included in each breastfeeding analysis category.
(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) 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.

WIC PNSS & PedNSS

Table 4C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Comparison of Racial and Ethnic Distribution by Contributor to National (4)

Children Aged < 5 Years (2)

Contributor	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Iowa	**52.8**	**14.6**	**21.4**	**0.5**	**3.2**	**7.5**	**0.0**
National (Prior Year)	**47.2**	**18.8**	**22.9**	**1.3**	**2.7**	**7.1**	**0.1**

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with errors.

(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.

WIC PNSS & PedNSS

Table 5C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Comparison of Age Distribution by Contributor to National (5)

Children Aged < 5 Years (2)

Contributor	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Iowa	**38.8**	**19.1**	**42.1**
National (Prior Year)	**33.4**	**21.3**	**45.3**

(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) Records rejected if date of birth and date of visit unknown.
(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.

WIC PNSS & PedNSS

Table 6C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Comparison of Growth and Anemia Indicators by Contributor to National (8)

Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators (3)

Contributor	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	%
Iowa		**9.7**	**7.7**		**7.7**	**2.1**	**13.6**		**17.2**	**15.1**		**10.1**
National (Prior Year)	**128,450**	**10.6**	**6.2**	**541,788**	**7.9**	**3.2**	**10.3**	**226,640**	**15.9**	**12.9**	**372,706**	**14.6**

(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) Infants born during the reporting period included in the analysis.
(5) 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.
(6) 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.
(7) 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.
(8) National includes previous year's data for all participating States and ITOs.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 7C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Contributor to National (2,8)

Children Aged < 5 Years (3)

Comparison of Breastfeeding, TV Viewing, and Smoki g in Household (4)

Contributor	Breastfeeding (5)						Exclusive Breastfeeding (6)				≤ 2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	% Breastfed At Least 3 Months	Number	% Breastfed At Least 6 Months	Number	%	Number	%
Iowa		**71.0**		**25.8**		**18.1**		**16.6**		**6.0**		**82.9**		**2.9**
National (Prior Year)	**128,559**	**73.5**	**77,021**	**36.7**	**74,114**	**28.0**	**53,648**	**18.1**	**62,388**	**7.9**	**227,134**	**81.4**	**510,665**	**3.3**

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(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.
(8) National includes previous year's data for all participating States and ITOs.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 8C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Growth and Anemia Indicators by Race/Ethnicity or Age

Children Aged < 5 Years (2)

Growth and Anemia Indicators by Race/Ethnicity or Age (3)

	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	%
Race/Ethnicity												
White, Not Hispanic		9.6	8.4		8.3	2.1	12.9		17.5	14.3		8.8
Black, Not Hispanic		13.6	5.4		6.6	2.9	12.3		14.6	12.0		16.8
Hispanic		7.2	8.4		7.3	1.5	16.3		18.6	18.9		8.8
American Indian/Alaska Native		6.4	4.3		6.6	1.9	21.2		18.2	25.5		13.6
Asian/Pacific Islander		8.8	3.0		6.8	2.8	10.2		14.0	12.5		9.3
Multiple Races		10.4	7.6		7.8	1.8	14.2		17.8	16.3		10.5
All Other		0.0	0.0		0.0	0.0	20.0		14.3	28.6		0.0
Total		**9.7**	**7.7**		**7.7**	**2.1**	**13.6**		**17.2**	**15.1**		**10.1**
Age												
0 - 11 Months		*	*		11.2	2.1	11.0		*	*		13.1
12 - 23 Months		*	*		7.6	0.7	14.9		*	*		13.0
24 - 35 Months		*	*		5.2	2.1	14.8		17.0	14.3		11.4
36 - 47 Months		*	*		4.4	3.1	15.1		17.0	15.1		7.3
48 - 59 Months		*	*		4.0	3.0	16.5		17.7	16.5		4.6
Total		*****	*****		**7.7**	**2.1**	**13.6**		**17.2**	**15.1**		**10.1**

(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) Infants born during the reporting period included in the analysis.
(5) 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.
(6) 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.
(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 9C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age (2)

Children Aged < 5 Years (3)

Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age (4)

	Breastfeeding (5)						≤ 2 Hours TV Viewing/Day (7)		Smoking in Household	
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	%	Number	%
Race/Ethnicity										
White, Not Hispanic		69.7		24.8		17.5		85.5		3.9
Black, Not Hispanic		69.9		30.3		19.8		71.2		2.0
Hispanic		76.7		27.9		18.4		82.8		1.5
American Indian/Alaska Native		50.9		28.6		33.3		70.8		1.3
Asian/Pacific Islander		77.7		35.4		32.3		81.5		1.0
Multiple Races		65.9		15.3		10.8		82.5		2.8
All Other/Unknown		100.0		0.0		*		80.0		0.0
Total		**71.0**		**25.8**		**18.1**		**82.9**		**2.9**
Age										
0 - 11 Months		*		*		*		*		2.6
12 - 23 Months		*		*		*		*		3.1
24 - 35 Months		*		*		*		84.2		2.9
36 - 47 Months		*		*		*		84.8		2.8
48 - 59 Months		*		*		*		84.0		3.7
Total		**71.0**		**25.8**		**18.1**		**82.9**		**2.9**

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household are not reported by all contributors.
(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) Children aged 2 years and older included in the analysis
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 10C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Racial and Ethnic Distribution

Children Aged < 5 Years (2)

Year	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2019	52.8	14.6	21.4	0.5	3.2	7.5	0.0
2018	54.0	13.9	21.2	0.4	3.2	7.3	0.0
2017	55.5	12.9	20.8	0.5	3.1	7.1	0.1
2016	56.6	11.5	21.0	0.4	2.9	7.4	0.3
2015	57.9	11.0	20.7	0.5	2.8	6.9	0.3
2014	59.2	10.1	20.6	0.5	2.6	6.7	0.3
2013	60.5	9.2	20.8	0.5	2.2	6.5	0.3
2012	61.3	8.7	20.9	0.5	1.8	6.1	0.8

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with errors.

WIC PNSS & PedNSS

Table 11C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Age Distribution

Children Aged < 5 Years (2)

Year	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
2019	38.8	19.1	42.1
2018	40.6	18.0	41.4
2017	37.1	19.6	43.3
2016	33.9	21.8	44.2
2015	33.4	21.7	44.9
2014	33.9	21.3	44.8
2013	33.2	20.9	45.9
2012	34.9	19.2	45.9

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Records rejected if date of birth and date of visit unknown.
(4) Excludes records with unknown data or errors.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 12C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Growth and Anemia Indicators

Children Aged < 5 Years (2)

Summary of Trends in Growth and Anemia Indicators (3)

Year	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	%
2019		9.7	7.7		7.7	2.1	13.6		17.2	15.1		10.1
2018		9.5	7.5		7.6	2.1	13.6		17.0	15.4		11.0
2017		9.0	8.1		7.6	2.3	12.7		17.6	14.6		12.3
2016		9.6	8.3		7.4	2.5	12.6		17.4	14.6		11.5
2015		8.9	8.5		7.4	2.6	11.6		17.1	14.0		10.4
2014		8.6	8.5		6.9	2.6	11.7		17.1	14.4		9.2
2013		8.0	8.1		6.9	2.5	11.4		16.9	14.0		9.5
2012		8.4	8.1		6.3	2.3	11.9		17.2	14.1		8.4

(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) Infants born during the reporting period included in the analysis.
(5) 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.
(6) 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.
(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 13C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Breastfeeding

Children Aged < 5 Years (2)

Summary of Trends in Breastfeeding (3)

Year	Breastfeeding (4)					
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
2019		71.0		25.8		18.1
2018		70.6		26.1		17.1
2017		70.8		22.4		16.0
2016		69.5		21.8		15.1
2015		67.7		22.5		15.7
2014		66.2		20.6		13.7
2013		65.4		19.8		12.4
2012		63.3		17.4		11.1

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

WIC PNSS & PedNSS

Table 16C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Growth Indicators by Race/Ethnicity and Age

Children Aged < 5 Years (2)

Growth Indicators by Ra e/Ethnicity and Age (3)

	Short Stature (4,5)		Underweight (4,5)		Obese (4,5)		≥ 2 Yrs Overweight and Obese (4,5)		
	Number	%	Number	%	Number	%	Number	% Overweight	% Obese
White, Not Hispanic									
0 - 11 Months		12.0		2.4		9.9		*	*
12 - 23 Months		8.4		0.4		15.8		*	*
24 - 59 Months		4.8		2.6		14.4		17.5	14.4
Total		**8.3**		**2.1**		**12.9**		**17.5**	**14.4**
Black, Not Hispanic									
0 - 11 Months		11.5		2.5		10.7		*	*
12 - 23 Months		5.4		0.7		15.8		*	*
24 - 59 Months		2.6		4.4		11.9		14.6	11.9
Total		**6.6**		**2.9**		**12.3**		**14.6**	**11.9**
Hispanic									
0 - 11 Months		10.0		1.3		12.1		*	*
12 - 23 Months		7.8		0.3		18.2		*	*
24 - 59 Months		4.8		2.2		18.9		18.6	18.9
Total		**7.4**		**1.5**		**16.3**		**18.6**	**18.9**
American Indian/Alaska Native									
0 - 11 Months		13.7		2.1		14.7		*	*
12 - 23 Months		0.0		0.0		24.1		*	*
24 - 59 Months		3.7		2.8		26.2		16.8	26.2
Total		**6.6**		**2.0**		**21.5**		**16.8**	**26.2**

(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) 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.
(5) 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.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 16C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Growth Indicators by Race/Ethnicity and Age

Children Aged < 5 Years (2)

Growth Indicators by Ra e/Ethnicity and Age (3)

	Short Stature (4,5)		Underweight (4,5)		Obese (4,5)		≥ 2 Yrs Overweight and Obese (4,5)		
	Number	%	Number	%	Number	%	Number	% Overweight	% Obese
Asian/Pacific Islander									
0 - 11 Months		7.7		1.5		7.0		*	*
12 - 23 Months		7.1		0.8		9.8		*	*
24 - 59 Months		6.1		4.6		12.5		13.9	12.4
Total		**6.8**		**2.8**		**10.2**		**14.0**	**12.5**
Multiple Races									
0 - 11 Months		11.4		1.9		10.9		*	*
12 - 23 Months		8.4		0.4		16.8		*	*
24 - 59 Months		4.0		2.4		16.1		17.9	17.3
Total		**7.8**		**1.8**		**14.1**		**17.8**	**16.1**
All Other/Unknown									
0 - 11 Months		0.0		0.0		0.0		*	*
12 - 23 Months		0.0		0.0		0.0		*	*
24 - 59 Months		0.0		0.0		28.6		14.3	28.6
Total		**0.0**		**0.0**		**20.0**		**14.3**	**28.6**
Total All Race/Ethnic Groups									
0 - 11 Months		11.4		2.1		10.5		*	*
12 - 23 Months		7.8		0.4		16.2		*	*
24 - 59 Months		4.5		2.8		15.1		17.2	15.1
Total		**7.8**		**2.1**		**13.6**		**17.2**	**15.1**

(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) 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.
(5) 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.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 17C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Anemia Indicators by Race/Ethnicity and Age

Children Aged < 5 Years (2)

Anemia Indicators by Race/Ethnicity and Age (3,4)

	Anemia Low Hb/Hct	
	Number	%
White, Not Hispanic		
6 - 11 Months		12.2
12 - 17 Months		12.7
18 - 23 Months		11.2
24 - 35 Months		9.4
36 - 59 Months		4.9
Total		8.8
Black, Not Hispanic		
6 - 11 Months		18.3
12 - 17 Months		18.0
18 - 23 Months		19.2
24 - 35 Months		20.5
36 - 59 Months		12.4
Total		16.6
Hispanic		
6 - 11 Months		12.9
12 - 17 Months		11.5
18 - 23 Months		12.8
24 - 35 Months		10.0
36 - 59 Months		4.6
Total		8.8
American Indian/Alaska Native		
6 - 11 Months		11.1
12 - 17 Months		10.5
18 - 23 Months		23.1
24 - 35 Months		21.4
36 - 59 Months		9.7
Total		13.6

	Anemia Low Hb/Hct	
	Number	%
Asian/Pacific Islander		
6 - 11 Months		10.8
12 - 17 Months		11.7
18 - 23 Months		12.8
24 - 35 Months		10.8
36 - 59 Months		5.8
Total		9.3
Multiple Races		
6 - 11 Months		15.0
12 - 17 Months		11.5
18 - 23 Months		14.4
24 - 35 Months		12.5
36 - 59 Months		6.3
Total		10.5
All Other/Unknown		
6 - 11 Months		0.0
12 - 17 Months		0.0
18 - 23 Months		*
24 - 35 Months		0.0
36 - 59 Months		0.0
Total		0.0
Total All Race/Ethnic Groups		
6 - 11 Months		13.4
12 - 17 Months		13.1
18 - 23 Months		13.0
24 - 35 Months		11.4
36 - 59 Months		6.1
Total		10.1

(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) 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 are not calculated if < 100 records are available for analysis after exclusions

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity (3)

Race/Ethnicity	Year	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	%
White, Not Hispanic	2019		9.6	8.4		8.3	2.1	12.9		17.5	14.3		8.8
	2018		9.6	8.9		8.1	2.2	12.8		17.1	14.5		9.4
	2017		8.9	8.8		8.0	2.3	12.0		17.9	13.7		10.5
	2016		10.0	8.9		7.9	2.5	11.9		17.4	13.7		9.6
	2015		9.2	9.3		8.0	2.8	11.0		17.1	13.2		8.9
	2014		8.4	9.5		7.4	2.8	11.0		17.0	13.3		7.8
	2013		8.0	9.1		7.2	2.7	10.7		16.9	13.0		7.9
	2012		8.6	8.5		6.7	2.5	10.9		17.1	12.8		7.0
Black, Not Hispanic	2019		13.6	5.4		6.6	2.9	12.3		14.6	12.0		16.8
	2018		11.5	4.5		6.5	2.9	11.7		14.9	11.7		18.0
	2017		11.7	5.1		7.2	3.0	10.5		14.1	11.3		19.8
	2016		13.7	5.6		7.2	3.1	10.4		15.0	10.8		19.6
	2015		10.9	4.6		6.1	3.4	9.8		14.8	10.1		18.4
	2014		11.8	5.3		6.0	3.0	9.6		15.0	10.4		17.1
	2013		11.7	5.7		6.6	3.5	9.4		15.1	10.8		18.5
	2012		10.8	4.9		5.7	3.1	10.7		14.6	11.9		18.4

(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) Infants born during the reporting period included in the analysis.
(5) 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.
(6) 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.
(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity (3)

Race/Ethnicity	Year	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	%
Hispanic	2019		7.2	8.4		7.3	1.5	16.3		18.6	18.9		8.8
	2018		8.0	6.8		7.2	1.4	17.4		18.5	20.5		9.8
	2017		7.3	8.2		6.8	1.6	16.6		19.3	19.8		11.3
	2016		7.1	8.6		6.4	1.9	15.7		19.1	19.6		11.4
	2015		7.4	8.7		6.3	1.8	14.9		18.5	18.9		9.4
	2014		7.5	7.9		6.1	2.1	15.0		19.0	19.3		8.1
	2013		6.0	6.7		5.9	1.6	15.1		18.0	18.8		8.5
	2012		6.6	8.4		5.2	1.4	15.6		19.0	18.8		7.1
American Indian/Alaska Native	2019		6.4	4.3		6.6	1.9	21.2		18.2	25.5		13.6
	2018		*	*		7.2	1.9	23.5		23.3	25.8		9.3
	2017		*	*		3.6	1.8	22.3		27.6	22.0		7.9
	2016		*	*		1.5	0.7	15.4		23.6	18.9		6.5
	2015		*	*		5.2	0.6	15.8		24.8	12.4		8.1
	2014		*	*		3.7	0.9	19.2		24.3	17.1		11.8
	2013		*	*		4.5	1.6	15.7		19.1	19.9		10.6
	2012		*	*		3.0	1.5	17.8		21.8	22.5		9.3

(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) Infants born during the reporting period included in the analysis.
(5) 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.
(6) 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.
(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity (3)

Race/Ethnicity	Year	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	%
Asian/Pacific Islander	2019		8.8	3.0		6.8	2.8	10.2		14.0	12.5		9.3
	2018		6.3	3.0		6.1	3.0	9.8		11.8	11.9		10.6
	2017		9.8	7.0		7.0	3.0	9.1		12.4	8.9		15.7
	2016		5.9	7.0		7.0	3.3	8.8		11.3	10.2		15.8
	2015		7.7	4.4		7.4	3.3	8.2		11.0	9.6		15.4
	2014		8.7	4.4		7.7	2.5	8.0		11.4	9.1		13.0
	2013		7.2	4.9		7.3	2.8	6.1		13.7	8.0		14.9
	2012		11.7	5.3		9.2	3.2	6.6		10.9	8.6		14.6
Multiple Races	2019		10.4	7.6		7.8	1.8	14.2		17.8	16.3		10.5
	2018		10.0	7.4		7.7	1.9	13.9		18.0	15.1		12.9
	2017		9.7	8.5		8.0	2.4	11.8		17.4	13.4		14.3
	2016		8.6	6.9		7.5	2.7	13.3		18.8	14.3		12.6
	2015		8.4	7.6		7.8	2.5	11.8		19.0	14.4		11.6
	2014		9.0	7.2		6.7	1.9	12.3		16.5	15.4		10.6
	2013		8.6	6.1		7.2	1.7	11.0		17.1	12.9		11.8
	2012		8.4	7.6		5.6	1.9	12.4		16.4	13.9		10.2

(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) Infants born during the reporting period included in the analysis.
(5) 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.
(6) 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.
(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 18C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity (3)

Race/Ethnicity	Year	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	%
All Other/Unknown	2019		0.0	0.0		0.0	0.0	20.0		14.3	28.6		0.0
	2018		*	*		*	*	*		*	*		*
	2017		*	*		*	*	*		*	*		*
	2016		*	*		*	*	*		*	*		*
	2015		*	*		*	*	*		*	*		*
	2014		*	*		*	*	*		*	*		*
	2013		*	*		*	*	*		*	*		*
	2012		*	*		*	*	*		*	*		*
Total All Race/Ethnic Groups	2019		9.7	7.7		7.7	2.1	13.6		17.2	15.1		10.1
	2018		9.5	7.5		7.6	2.1	13.6		17.0	15.4		11.0
	2017		9.0	8.1		7.6	2.3	12.7		17.6	14.6		12.3
	2016		9.6	8.3		7.4	2.5	12.6		17.4	14.6		11.5
	2015		8.9	8.5		7.4	2.6	11.6		17.1	14.0		10.4
	2014		8.6	8.5		6.9	2.6	11.7		17.1	14.4		9.2
	2013		8.0	8.1		6.9	2.5	11.4		16.9	14.0		9.5
	2012		8.4	8.1		6.3	2.3	11.9		17.2	14.1		8.4

(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) Infants born during the reporting period included in the analysis.
(5) 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.
(6) 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.
(7) 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 are not calculated if < 100 records are available for analysis after exclusions.

WIC PNSS & PedNSS

Table 19C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)

Race/Ethnicity	Year	Breastfeeding (4)					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
White, Not Hispanic	2019		69.7		24.8		17.5
	2018		69.0		23.7		15.8
	2017		69.5		21.4		14.8
	2016		69.0		21.0		14.6
	2015		67.3		21.2		15.0
	2014		65.4		19.3		12.4
	2013		64.5		18.7		11.4
	2012		61.8		16.2		10.8
Black, Not Hispanic	2019		69.9		30.3		19.8
	2018		69.9		30.7		20.9
	2017		67.8		24.8		17.8
	2016		64.5		23.0		16.7
	2015		62.1		23.5		14.7
	2014		60.3		22.0		15.2
	2013		59.2		19.7		13.7
	2012		54.5		17.3		10.4

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

WIC PNSS & PedNSS

Table 19C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)

Race/Ethnicity	Year	Breastfeeding (4)					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Hispanic	2019		76.7		27.9		18.4
	2018		77.0		28.3		17.2
	2017		77.5		23.8		16.8
	2016		76.3		23.9		15.6
	2015		75.2		25.0		17.0
	2014		73.9		24.2		15.7
	2013		73.8		24.0		14.6
	2012		75.5		22.2		12.4
American Indian/Alaska Native	2019		50.9		28.6		33.3
	2018		*		*		*
	2017		*		*		*
	2016		*		*		*
	2015		*		*		*
	2014		*		*		*
	2013		*		*		*
	2012		*		*		*

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

WIC PNSS & PedNSS

Table 19C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)

Race/Ethnicity	Year	Breastfeeding (4)					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Asian/Pacific Islander	2019		77.7		35.4		32.3
	2018		79.6		43.9		27.1
	2017		76.9		38.0		30.9
	2016		75.8		37.8		29.8
	2015		73.9		45.5		35.4
	2014		77.7		39.1		32.7
	2013		72.9		37.3		27.5
	2012		70.6		33.5		26.9
Multiple Races	2019		65.9		15.3		10.8
	2018		62.8		21.6		9.6
	2017		65.5		14.6		11.0
	2016		62.1		15.1		9.1
	2015		58.1		16.1		11.0
	2014		57.9		15.1		9.5
	2013		58.6		12.5		7.7
	2012		57.7		11.7		5.7

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

WIC PNSS & PedNSS

Table 19C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity

Children Aged < 5 Years (2)

Summary of Trends in Breastfeeding Indicators by Race/Ethnicity (3)

Race/Ethnicity	Year	Breastfeeding (4)					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
All Other/Unknown	2019		100.0		0.0		*
	2018		*		*		*
	2017		*		*		*
	2016		*		*		*
	2015		*		*		*
	2014		*		*		*
	2013		*		*		*
	2012		*		*		*
Total All Race/Ethnic Groups	2019		71.0		25.8		18.1
	2018		70.6		26.1		17.1
	2017		70.8		22.4		16.0
	2016		69.5		21.8		15.1
	2015		67.7		22.5		15.7
	2014		66.2		20.6		13.7
	2013		65.4		19.8		12.4
	2012		63.3		17.4		11.1

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

WIC PNSS & PedNSS

Table 20C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Growth Indicators by Age

Children Aged < 5 Years (2)

Summary of Trends in Growth Indicators by Age (3)

Age	Year	Height and Weight (4,5)						
		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese			
		Number	%	%	%	Number	% Overweight	% Obese
0 - 11 Months	2019		11.2	2.1	11.0	0	*	*
	2018		10.9	2.2	10.7	0	*	*
	2017		11.4	2.8	9.5	0	*	*
	2016		11.7	3.3	8.6	0	*	*
	2015		11.5	4.2	7.4	0	*	*
	2014		10.9	4.3	6.7	0	*	*
	2013		10.4	4.0	6.9	0	*	*
	2012		9.5	3.1	7.8	0	*	*
	2011		*	*	*	0	*	*
	2010		*	*	*	0	*	*
12 - 23 Months	2019		7.6	0.7	14.9	0	*	*
	2018		7.1	0.7	15.7	0	*	*
	2017		7.4	0.6	14.2	0	*	*
	2016		7.4	0.6	14.0	0	*	*
	2015		7.7	0.6	12.8	0	*	*
	2014		6.9	0.6	13.5	0	*	*
	2013		7.5	0.6	12.7	0	*	*
	2012		6.1	0.6	13.0	0	*	*

Age	Year	Height and Weight (4,5)						
		Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese			
		Number	%	%	%	Number	% Overweight	% Obese
24 - 35 Months	2019		5.2	2.1	14.8		17.0	14.3
	2018		5.2	2.5	15.2		15.8	14.6
	2017		5.3	2.0	14.3		17.2	13.3
	2016		4.9	2.3	14.1		17.1	13.1
	2015		4.4	1.9	13.4		16.6	12.1
	2014		4.6	1.9	13.8		17.0	12.5
	2013		4.9	1.8	12.8		16.1	11.9
	2012		4.1	2.2	13.0		16.4	12.2
	2011		*	*	*		*	*
	2010		*	*	*		*	*
36 - 47 Months	2019		4.4	3.1	15.1		17.0	15.1
	2018		4.5	2.8	15.9		17.5	15.9
	2017		4.6	3.0	14.4		17.3	14.4
	2016		3.9	3.2	14.5		17.3	14.5
	2015		4.4	2.9	13.7		16.6	13.7
	2014		4.0	2.4	14.0		16.7	14.0
	2013		3.7	2.4	13.8		16.4	13.8
	2012		3.8	2.7	14.7		17.2	14.7

(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) 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.
(5) 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.
* Percentages are not calculated if < 100 records are available for analysis after exclusions

WIC PNSS & PedNSS

Table 20C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Growth Indicators by Age

Children Aged < 5 Years (2)

12 - 23 Months	2011	0	*	*	*	0	*	*	**36 - 47 Months**	2011	0	*	*	*	0	*	*
	2010	0	*	*	*	0	*	*		2010	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 or errors.
(4) 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.
(5) 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.
* Percentages are not calculated if < 100 records are available for analysis after exclusions

WIC PNSS & PedNSS

Table 20C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Growth Indicators by Age

Children Aged < 5 Years (2)

Summary of Trends in Growth Indicators by Age (3)

Age	Year	Height and Weight (4,5)						
			Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese		
		Number	%	%	%	Number	% Overweight	% Obese
48 - 59 Months	2019		4.0	3.0	16.5		17.7	16.5
	2018		3.8	3.1	16.0		17.9	16.0
	2017		3.3	2.9	15.8		18.3	15.8
	2016		3.7	3.1	16.0		17.8	16.0
	2015		3.8	2.8	15.7		17.9	15.7
	2014		3.2	2.6	16.2		17.5	16.2
	2013		3.6	2.8	15.5		17.9	15.5
	2012		3.8	2.3	15.8		17.8	15.8
	2011		*	*	*		*	*
	2010		*	*	*		*	*

Age	Year	Height and Weight (4,5)						
			Short Stature	Under-Weight	Obese	≥ 2 Yrs Overweight and Obese		
		Number	%	%	%	Number	% Overweight	% Obese
Total All Age Groups	2019		7.7	2.1	13.6		17.2	15.1
	2018		7.6	2.1	13.6		17.0	15.4
	2017		7.6	2.3	12.7		17.6	14.6
	2016		7.4	2.5	12.6		17.4	14.6
	2015		7.4	2.6	11.6		17.1	14.0
	2014		6.9	2.6	11.7		17.1	14.4
	2013		6.9	2.5	11.4		16.9	14.0
	2012		6.3	2.3	11.9		17.2	14.1
	2011		*	*	*		*	*
	2010		*	*	*		*	*

(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) 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.
(5) 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.
* Percentages are not calculated if < 100 records are available for analysis after exclusions

WIC PNSS & PedNSS

Table 21C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Anemia by Age

Children Aged < 5 Years (2)

Summary of Trends in Anemia by Age (3)

Age	Year	Anemia Low Hb/Hct (4) Number	Anemia Low Hb/Hct (4) %	Age	Year	Anemia Low Hb/Hct (4) Number	Anemia Low Hb/Hct (4) %
6 - 11 Months	2019		13.4	**18 - 23 Months**	2019		13.0
	2018		13.6		2018		14.6
	2017		14.8		2017		15.6
	2016		16.4		2016		14.5
	2015		17.1		2015		12.8
	2014		15.6		2014		11.4
	2013		15.3		2013		12.0
	2012		12.0		2012		9.6
12 - 17 Months	2019		13.1	**24 - 35 Months**	2019		11.4
	2018		14.8		2018		12.0
	2017		16.8		2017		13.1
	2016		15.4		2016		12.9
	2015		16.4		2015		10.8
	2014		14.4		2014		9.7
	2013		14.6		2013		9.8
	2012		12.4		2012		9.2

(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) 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 are not calculated if < 100 records are available for analysis after exclusions

WIC PNSS & PedNSS

Table 21C

2019 Pediatric Nutrition Surveillance (1)

Iowa

Summary of Trends in Anemia by Age

Children Aged < 5 Years (2)

Summary of Trends in Anemia by Age (3)

Age	Year	Anemia Low Hb/Hct (4) Number	Anemia Low Hb/Hct (4) %
36 - 59 Months	2019		6.1
	2018		6.5
	2017		8.2
	2016		7.2
	2015		6.4
	2014		5.4
	2013		6.0
	2012		5.3
All Other/Unknown	2019		*
	2018		*
	2017		*
	2016		*
	2015		*
	2014		*
	2013		*
	2012		*

Age	Year	Anemia Low Hb/Hct (4) Number	Anemia Low Hb/Hct (4) %
Total All Age Groups	2019		10.1
	2018		11.0
	2017		12.3
	2016		11.5
	2015		10.4
	2014		9.2
	2013		9.5
	2012		8.4

(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) 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 are not calculated if < 100 records are available for analysis after exclusions