

WIC PNSS & PedNSS

Table 3B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Racial and Ethnic Distribution by County

County	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Adair	90.3	3.2	3.2	0.0	0.0	3.2	0.0
Adams	93.3	0.0	6.7	0.0	0.0	0.0	0.0
Allamakee	56.7	3.3	38.3	0.0	1.7	0.0	0.0
Appanoose	93.3	3.3	3.3	0.0	0.0	0.0	0.0
Audubon	77.8	0.0	22.2	0.0	0.0	0.0	0.0
Benton	94.3	0.0	5.7	0.0	0.0	0.0	0.0
Blackhawk	53.7	26.8	10.2	0.3	6.0	3.2	0.0
Boone	88.9	3.7	3.7	0.0	0.0	3.7	0.0
Bremer	88.2	11.8	0.0	0.0	0.0	0.0	0.0
Buchanan	96.9	3.1	0.0	0.0	0.0	0.0	0.0
Buena Vist	22.2	4.3	53.8	0.0	18.8	0.9	0.0
Butler	95.7	0.0	0.0	0.0	0.0	4.3	0.0
Calhoun	90.0	0.0	10.0	0.0	0.0	0.0	0.0
Carroll	69.4	5.6	23.6	0.0	1.4	0.0	0.0
Cass	94.4	0.0	5.6	0.0	0.0	0.0	0.0
Cedar	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Cerro Gord	75.5	6.0	10.6	0.5	3.2	4.2	0.0
Cherokee	89.7	0.0	10.3	0.0	0.0	0.0	0.0
Chickasaw	70.6	0.0	29.4	0.0	0.0	0.0	0.0
Clarke	70.4	1.9	25.9	0.0	1.9	0.0	0.0
Clay	79.7	1.7	16.9	0.0	1.7	0.0	0.0
Clayton	96.6	0.0	3.4	0.0	0.0	0.0	0.0
Clinton	81.4	8.0	8.0	0.0	0.0	2.7	0.0

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	%	%	%	%	%	%	%
Crawford	26.9	1.9	62.5	0.0	8.7	0.0	0.0
Dallas	62.0	5.0	29.0	0.0	1.0	3.0	0.0
Davis	88.9	11.1	0.0	0.0	0.0	0.0	0.0
Decatur	89.3	3.6	3.6	0.0	0.0	3.6	0.0
Delaware	93.8	0.0	6.3	0.0	0.0	0.0	0.0
Des Moines	76.6	19.3	3.5	0.0	0.0	0.6	0.0
Dickinson	85.7	4.8	4.8	0.0	0.0	4.8	0.0
Dubuque	69.0	16.7	7.0	0.3	5.2	1.8	0.0
Emmet	59.0	0.0	41.0	0.0	0.0	0.0	0.0
Fayette	90.6	1.9	7.5	0.0	0.0	0.0	0.0
Floyd	76.9	7.7	9.2	0.0	6.2	0.0	0.0
Franklin	53.3	2.2	44.4	0.0	0.0	0.0	0.0
Fremont	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Greene	85.0	0.0	15.0	0.0	0.0	0.0	0.0
Grundy	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Guthrie	72.2	5.6	16.7	0.0	0.0	5.6	0.0
Hamilton	57.4	2.9	29.4	0.0	10.3	0.0	0.0
Hancock	81.5	0.0	14.8	0.0	0.0	3.7	0.0
Hardin	76.0	0.0	20.0	0.0	0.0	4.0	0.0
Harrison	91.2	0.0	5.9	2.9	0.0	0.0	0.0
Henry	80.0	1.8	16.4	0.0	1.8	0.0	0.0
Howard	89.3	0.0	10.7	0.0	0.0	0.0	0.0
Humboldt	73.7	0.0	26.3	0.0	0.0	0.0	0.0

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County	White, Not Hispanic	Black, Not Hispanic	Hispanic	American Indian/Alaska Native	Asian/Pacific Islander	Multiple Races	All Other/Unknown
	%	%	%	%	%	%	%
Ida	76.9	0.0	19.2	0.0	0.0	3.8	0.0
Iowa	90.9	0.0	0.0	0.0	0.0	9.1	0.0
Jackson	83.3	10.0	0.0	0.0	0.0	6.7	0.0
Jasper	79.8	6.7	8.7	1.9	2.9	0.0	0.0
Jefferson	94.1	0.0	0.0	0.0	5.9	0.0	0.0
Johnson	35.7	42.8	16.5	0.5	1.8	2.6	0.0
Jones	97.2	0.0	2.8	0.0	0.0	0.0	0.0
Keokuk	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Kossuth	76.6	6.4	17.0	0.0	0.0	0.0	0.0
Lee	91.0	2.7	6.3	0.0	0.0	0.0	0.0
Linn	55.8	31.1	6.9	0.1	1.2	5.0	0.0
Louisa	17.6	0.0	41.2	5.9	35.3	0.0	0.0
Lucas	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Lyon	92.9	0.0	0.0	0.0	7.1	0.0	0.0
Madison	87.5	4.2	8.3	0.0	0.0	0.0	0.0
Mahaska	88.6	6.8	4.5	0.0	0.0	0.0	0.0
Marion	91.7	2.8	2.8	0.0	1.9	0.9	0.0
Marshall	41.6	3.0	45.6	0.7	8.2	1.0	0.0
Mills	90.0	0.0	10.0	0.0	0.0	0.0	0.0
Mitchell	83.9	0.0	12.9	0.0	0.0	3.2	0.0
Monona	96.4	0.0	0.0	3.6	0.0	0.0	0.0
Monroe	92.9	0.0	0.0	7.1	0.0	0.0	0.0
Montgomery	96.6	0.0	3.4	0.0	0.0	0.0	0.0

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	%	%	%	%	%	%	%
Muscatine	56.7	6.9	32.9	0.0	2.6	0.9	0.0
O'Brien	67.6	8.1	21.6	2.7	0.0	0.0	0.0
Osceola	56.3	6.3	37.5	0.0	0.0	0.0	0.0
Page	91.4	0.0	5.2	0.0	0.0	3.4	0.0
Palo Alto	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Plymouth	67.4	6.5	21.7	2.2	2.2	0.0	0.0
Pocahontas	66.7	33.3	0.0	0.0	0.0	0.0	0.0
Polk	41.3	21.5	23.2	0.2	9.2	4.5	0.0
Pottawatta	77.5	3.7	16.9	0.2	0.2	1.4	0.0
Poweshiek	81.3	3.1	15.6	0.0	0.0	0.0	0.0
Ringgold	83.3	0.0	16.7	0.0	0.0	0.0	0.0
Sac	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Scott	55.4	24.6	11.2	0.8	2.8	5.2	0.0
Shelby	82.1	2.6	15.4	0.0	0.0	0.0	0.0
Sioux	36.1	0.8	60.2	0.8	0.8	1.5	0.0
Story	67.9	11.5	12.8	0.0	6.4	1.4	0.0
Tama	43.2	0.0	47.7	6.8	0.0	2.3	0.0
Taylor	77.3	0.0	18.2	0.0	0.0	4.5	0.0
Union	87.2	0.0	11.5	0.0	0.0	1.3	0.0
Van Buren	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Wapello	70.4	8.4	14.9	0.0	4.8	1.2	0.2
Warren	89.3	4.0	4.0	0.0	1.3	1.3	0.0
Washington	75.0	0.0	22.2	0.0	0.0	2.8	0.0

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	%	%	%	%	%	%	%
Wayne	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Webster	73.6	11.0	12.3	0.9	0.4	1.8	0.0
Winnebago	83.3	8.3	8.3	0.0	0.0	0.0	0.0
Winneshiek	81.8	4.5	13.6	0.0	0.0	0.0	0.0
Woodbury	41.9	11.6	36.7	3.2	3.8	2.8	0.0
Worth	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Wright	38.0	0.0	62.0	0.0	0.0	0.0	0.0
Iowa	59.6	14.6	18.7	0.5	4.1	2.6	0.0
National (Prior Year)	53.3	21.7	17.1	1.1	2.8	3.5	0.4

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2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Age Distribution by County

County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Adair	0.0	0.0	3.2	61.3	35.5	0.0	0.0
Adams	0.0	0.0	13.3	53.3	33.3	0.0	0.0
Allamakee	0.0	1.7	6.7	48.3	43.3	0.0	0.0
Appanoose	0.0	0.0	3.3	63.3	33.3	0.0	0.0
Audubon	0.0	11.1	11.1	44.4	33.3	0.0	0.0
Benton	0.0	0.0	0.0	65.7	31.4	2.9	0.0
Blackhawk	0.1	2.2	5.8	59.0	30.6	2.2	0.1
Boone	0.0	0.0	7.4	70.4	22.2	0.0	0.0
Bremer	0.0	0.0	11.8	52.9	35.3	0.0	0.0
Buchanan	0.0	0.0	0.0	65.6	28.1	6.3	0.0
Buena Vist	0.0	1.7	3.4	55.6	35.0	4.3	0.0
Butler	0.0	0.0	0.0	69.6	30.4	0.0	0.0
Calhoun	0.0	0.0	0.0	80.0	20.0	0.0	0.0
Carroll	0.0	1.4	8.3	59.7	27.8	2.8	0.0
Cass	0.0	2.8	0.0	72.2	22.2	2.8	0.0
Cedar	0.0	0.0	22.2	33.3	33.3	11.1	0.0
Cerro Gord	0.0	1.4	6.0	67.1	23.6	1.9	0.0
Cherokee	0.0	2.6	17.9	59.0	20.5	0.0	0.0
Chickasaw	0.0	0.0	11.8	64.7	23.5	0.0	0.0
Clarke	0.0	1.9	1.9	64.8	29.6	1.9	0.0
Clay	0.0	0.0	3.4	74.6	22.0	0.0	0.0
Clayton	0.0	0.0	0.0	75.9	24.1	0.0	0.0
Clinton	0.0	3.7	9.0	62.8	22.3	2.1	0.0
Crawford	0.0	0.0	2.9	59.6	32.7	4.8	0.0

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County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Dallas	0.0	0.0	4.0	65.0	31.0	0.0	0.0
Davis	0.0	0.0	0.0	77.8	11.1	11.1	0.0
Decatur	0.0	0.0	14.3	67.9	14.3	3.6	0.0
Delaware	0.0	0.0	6.3	62.5	25.0	6.3	0.0
Des Moines	0.0	2.3	5.8	66.1	25.7	0.0	0.0
Dickinson	0.0	0.0	4.8	66.7	23.8	4.8	0.0
Dubuque	0.0	2.6	6.5	59.4	29.7	1.6	0.3
Emmet	0.0	2.6	5.1	64.1	25.6	2.6	0.0
Fayette	0.0	1.9	3.8	75.5	18.9	0.0	0.0
Floyd	0.0	1.5	6.2	67.7	24.6	0.0	0.0
Franklin	0.0	4.4	4.4	53.3	35.6	2.2	0.0
Fremont	0.0	0.0	0.0	57.1	42.9	0.0	0.0
Greene	0.0	0.0	20.0	70.0	10.0	0.0	0.0
Grundy	0.0	0.0	0.0	88.9	11.1	0.0	0.0
Guthrie	0.0	5.6	5.6	61.1	27.8	0.0	0.0
Hamilton	0.0	4.4	4.4	64.7	25.0	1.5	0.0
Hancock	0.0	0.0	14.8	59.3	25.9	0.0	0.0
Hardin	0.0	4.0	4.0	60.0	32.0	0.0	0.0
Harrison	0.0	2.9	11.8	52.9	32.4	0.0	0.0
Henry	0.0	3.6	5.5	69.1	18.2	3.6	0.0
Howard	0.0	0.0	0.0	57.1	39.3	3.6	0.0
Humboldt	0.0	0.0	5.3	63.2	31.6	0.0	0.0
Ida	0.0	0.0	11.5	65.4	19.2	3.8	0.0
Iowa	0.0	9.1	9.1	54.5	27.3	0.0	0.0

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County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Jackson	0.0	0.0	3.3	70.0	26.7	0.0	0.0
Jasper	0.0	1.9	9.6	55.8	30.8	1.0	1.0
Jefferson	0.0	0.0	0.0	70.6	29.4	0.0	0.0
Johnson	0.0	0.8	3.7	49.3	42.5	3.7	0.0
Jones	0.0	2.8	2.8	69.4	25.0	0.0	0.0
Keokuk	0.0	0.0	10.0	50.0	40.0	0.0	0.0
Kossuth	0.0	2.1	2.1	53.2	42.6	0.0	0.0
Lee	0.0	0.9	4.5	67.6	26.1	0.9	0.0
Linn	0.0	2.2	6.6	57.2	31.8	2.2	0.0
Louisa	0.0	0.0	0.0	41.2	47.1	11.8	0.0
Lucas	0.0	0.0	4.0	60.0	32.0	4.0	0.0
Lyon	0.0	0.0	0.0	42.9	50.0	7.1	0.0
Madison	0.0	0.0	4.2	58.3	37.5	0.0	0.0
Mahaska	0.0	0.0	0.0	61.4	34.1	4.5	0.0
Marion	0.0	0.9	10.2	63.9	23.1	1.9	0.0
Marshall	0.0	3.6	6.2	58.4	27.9	3.9	0.0
Mills	0.0	0.0	5.0	80.0	15.0	0.0	0.0
Mitchell	0.0	0.0	0.0	67.7	32.3	0.0	0.0
Monona	0.0	0.0	10.7	57.1	32.1	0.0	0.0
Monroe	0.0	0.0	7.1	71.4	21.4	0.0	0.0
Montgomery	0.0	3.4	13.8	55.2	27.6	0.0	0.0
Muscatine	0.0	2.2	6.9	59.7	29.0	2.2	0.0
O'Brien	0.0	2.7	5.4	51.4	40.5	0.0	0.0
Osceola	0.0	0.0	6.3	62.5	31.3	0.0	0.0

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County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Page	0.0	5.2	8.6	69.0	15.5	1.7	0.0
Palo Alto	0.0	0.0	7.7	69.2	23.1	0.0	0.0
Plymouth	0.0	2.2	2.2	78.3	13.0	4.3	0.0
Pocahontas	0.0	0.0	0.0	100.0	0.0	0.0	0.0
Polk	0.1	2.1	5.6	57.6	32.2	2.4	0.0
Pottawatta	0.0	1.4	8.0	67.0	21.8	1.9	0.0
Poweshiek	0.0	6.3	3.1	62.5	28.1	0.0	0.0
Ringgold	0.0	0.0	8.3	75.0	16.7	0.0	0.0
Sac	0.0	0.0	8.3	50.0	41.7	0.0	0.0
Scott	0.2	3.2	7.4	61.1	25.4	2.8	0.0
Shelby	0.0	5.1	2.6	61.5	28.2	2.6	0.0
Sioux	0.0	2.3	10.5	59.4	26.3	1.5	0.0
Story	0.0	1.8	6.4	60.1	30.7	0.9	0.0
Tama	0.0	2.3	4.5	68.2	25.0	0.0	0.0
Taylor	0.0	0.0	0.0	72.7	27.3	0.0	0.0
Union	1.3	1.3	11.5	65.4	19.2	1.3	0.0
Van Buren	0.0	14.3	0.0	28.6	57.1	0.0	0.0
Wapello	0.0	2.4	6.0	63.6	25.8	2.2	0.0
Warren	0.0	4.0	8.0	61.3	24.0	2.7	0.0
Washington	0.0	0.0	5.6	58.3	36.1	0.0	0.0
Wayne	0.0	5.9	0.0	47.1	47.1	0.0	0.0
Webster	0.0	0.9	6.6	66.1	25.1	1.3	0.0
Winnebago	0.0	0.0	5.0	66.7	28.3	0.0	0.0
Winneshiek	0.0	4.5	9.1	50.0	36.4	0.0	0.0

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2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Age Distribution by County

County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Woodbury	0.0	1.9	6.3	59.4	30.3	2.0	0.0
Worth	0.0	0.0	10.0	70.0	20.0	0.0	0.0
Wright	0.0	3.8	6.3	53.2	34.2	2.5	0.0
Iowa	0.0	2.0	6.1	60.4	29.3	2.1	0.0
National (Prior Year)	0.1	2.7	8.0	62.0	25.2	1.9	0.1

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Table 5B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Adair		0.0 (1)	66.7 (67)	8.3 (5)	45.8 (53)		16.7 (64)	37.5 (86)		100.0 (26)		0.0 (1)		
Adams		8.3 (89)	66.7 (67)	16.7 (16)	58.3 (91)		40.0 (87)	0.0 (1)		100.0 (26)		100.0 (34)		
Allamakee		4.3 (63)	63.8 (58)	22.2 (40)	48.9 (66)		50.0 (92)	38.9 (87)		100.0 (26)		0.0 (1)		
Appanoose		4.2 (61)	79.2 (91)	26.1 (68)	52.2 (79)		33.3 (77)	50.0 (92)		100.0 (26)		100.0 (34)		
Audubon		0.0 (1)	44.4 (6)	22.2 (40)	55.6 (85)		50.0 (92)	28.6 (76)		0.0 (1)		0.0 (1)		
Benton		0.0 (1)	72.4 (80)	39.3 (94)	35.7 (18)		0.0 (1)	0.0 (1)		100.0 (26)		100.0 (34)		
Blackhawk		3.8 (54)	59.2 (38)	20.2 (35)	51.6 (78)		3.9 (51)	1.3 (51)		100.0 (26)		100.0 (34)		
Boone		0.0 (1)	72.7 (82)	31.8 (79)	50.0 (68)		20.0 (66)	0.0 (1)		0.0 (1)		0.0 (1)		
Bremer		6.7 (82)	66.7 (67)	13.3 (9)	46.7 (57)		0.0 (1)	0.0 (1)		0.0 (1)		0.0 (1)		
Buchanan		0.0 (1)	61.5 (49)	26.9 (71)	34.6 (16)		0.0 (1)	0.0 (1)		100.0 (26)		100.0 (34)		
Buena Vist		1.4 (36)	63.4 (57)	26.9 (71)	35.8 (19)		0.0 (1)	20.0 (70)		100.0 (26)		100.0 (34)		
Butler		5.3 (70)	84.2 (97)	26.3 (69)	36.8 (21)		0.0 (1)	0.0 (1)		100.0 (26)		100.0 (34)		
Calhoun		5.9 (75)	64.7 (61)	23.5 (52)	47.1 (59)		16.7 (64)	33.3 (80)		100.0 (26)		0.0 (1)		
Carroll		3.2 (49)	65.1 (64)	21.3 (37)	55.7 (87)		36.4 (84)	33.3 (80)		100.0 (26)		100.0 (34)		
Cass		3.2 (49)	77.4 (90)	20.0 (26)	70.0 (99)		12.5 (60)	0.0 (1)		0.0 (1)		100.0 (34)		
Cedar		16.7 (99)	50.0 (7)	40.0 (95)	40.0 (29)		50.0 (92)	0.0 (1)		100.0 (26)		0.0 (1)		
Cerro Gord		4.7 (67)	63.9 (60)	19.0 (23)	46.0 (56)		6.7 (53)	9.1 (61)		100.0 (26)		100.0 (34)		

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(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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

WIC PNSS & PedNSS

Table 5B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Cherokee		11.5 (96)	57.7 (25)	15.4 (14)	42.3 (42)		0.0 (1)		0.0 (1)		100.0 (26)		100.0 (34)	
Chickasaw		6.3 (79)	56.3 (17)	25.0 (58)	43.8 (45)		0.0 (1)		0.0 (1)		100.0 (26)		100.0 (34)	
Clarke		10.3 (94)	59.0 (33)	32.4 (82)	27.0 (6)		26.7 (72)		40.0 (88)		100.0 (26)		100.0 (34)	
Clay		2.2 (40)	53.3 (9)	23.1 (49)	48.7 (65)		0.0 (1)		0.0 (1)		100.0 (26)		100.0 (34)	
Clayton		0.0 (1)	79.2 (91)	31.8 (79)	45.5 (49)		33.3 (77)		33.3 (80)		0.0 (1)		100.0 (34)	
Clinton		2.3 (41)	62.6 (52)	20.0 (26)	56.0 (88)		35.6 (82)		14.3 (65)		100.0 (26)		100.0 (34)	
Crawford		1.1 (34)	60.2 (43)	39.1 (93)	28.3 (7)		2.5 (47)		0.0 (1)		0.0 (1)		100.0 (34)	
Dallas		5.6 (71)	60.6 (44)	15.2 (13)	45.5 (49)		0.0 (1)		0.0 (1)		100.0 (26)		100.0 (34)	
Davis		11.1 (95)	55.6 (16)	25.0 (58)	50.0 (68)		33.3 (77)		0.0 (1)		0.0 (1)		0.0 (1)	
Decatur		4.8 (68)	57.1 (19)	40.0 (95)	30.0 (11)		12.5 (60)		0.0 (1)		100.0 (26)		0.0 (1)	
Delaware		6.7 (82)	66.7 (67)	33.3 (83)	33.3 (13)		66.7 (96)		40.0 (88)		100.0 (26)		0.0 (1)	
Des Moines		6.2 (77)	54.3 (13)	20.0 (26)	51.2 (77)		8.7 (57)		5.6 (54)		100.0 (26)		100.0 (34)	
Dickinson		0.0 (1)	81.3 (94)	20.0 (26)	66.7 (96)		0.0 (1)		0.0 (1)		100.0 (26)		100.0 (34)	
Dubuque		3.5 (51)	62.6 (52)	23.1 (49)	44.3 (47)		46.7 (91)		45.7 (91)		100.0 (26)		100.0 (34)	
Emmet		3.8 (54)	73.1 (84)	36.0 (89)	40.0 (29)		0.0 (1)		0.0 (1)		100.0 (26)		100.0 (34)	
Fayette		2.6 (43)	53.8 (10)	7.9 (4)	52.6 (81)		33.3 (77)		54.5 (97)		100.0 (26)		100.0 (34)	
Floyd		2.3 (41)	68.2 (76)	16.3 (15)	41.9 (41)		15.4 (63)		0.0 (1)		100.0 (26)		100.0 (34)	

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(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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WIC PNSS & PedNSS

Table 5B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	
Franklin	0.0 (1)	85.0 (98)	17.9 (22)	53.8 (82)	0.0 (1)	0.0 (1)	100.0 (26)	100.0 (34)						
Fremont	0.0 (1)	60.0 (41)	25.0 (58)	25.0 (3)	0.0 (1)	0.0 (1)	100.0 (26)	0.0 (1)						
Greene	5.9 (75)	58.8 (31)	12.5 (6)	56.3 (89)	0.0 (1)	0.0 (1)	100.0 (26)	100.0 (34)						
Grundy	0.0 (1)	66.7 (67)	33.3 (83)	33.3 (13)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (1)						
Guthrie	0.0 (1)	83.3 (95)	16.7 (16)	66.7 (96)	20.0 (66)	0.0 (1)	100.0 (26)	100.0 (34)						
Hamilton	2.0 (38)	60.8 (46)	20.0 (26)	40.0 (29)	7.1 (54)	0.0 (1)	100.0 (26)	100.0 (34)						
Hancock	0.0 (1)	68.4 (78)	31.6 (78)	47.4 (61)	0.0 (1)	33.3 (80)	100.0 (26)	100.0 (34)						
Hardin	5.6 (71)	61.1 (48)	41.2 (97)	23.5 (2)	20.0 (66)	28.6 (76)	100.0 (26)	100.0 (34)						
Harrison	0.0 (1)	63.0 (54)	22.2 (40)	55.6 (85)	0.0 (1)	0.0 (1)	0.0 (1)	100.0 (34)						
Henry	0.0 (1)	57.9 (26)	29.7 (74)	45.9 (55)	0.0 (1)	0.0 (1)	100.0 (26)	100.0 (34)						
Howard	9.5 (92)	66.7 (67)	20.0 (26)	65.0 (95)	8.3 (56)	36.4 (85)	100.0 (26)	100.0 (34)						
Humboldt	0.0 (1)	64.7 (61)	35.3 (88)	35.3 (17)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (1)						
Ida	4.5 (65)	68.2 (76)	23.8 (56)	66.7 (96)	0.0 (1)	0.0 (1)	100.0 (26)	0.0 (1)						
Iowa	0.0 (1)	71.4 (79)	14.3 (10)	28.6 (8)	0.0 (1)	25.0 (73)	0.0 (1)	0.0 (1)						
Jackson	9.1 (91)	72.7 (82)	22.7 (46)	54.5 (84)	25.0 (70)	66.7 (99)	0.0 (1)	100.0 (34)						
Jasper	6.4 (80)	59.0 (33)	30.1 (75)	38.4 (26)	20.7 (69)	50.0 (92)	100.0 (26)	100.0 (34)						
Jefferson	0.0 (1)	58.3 (28)	25.0 (58)	25.0 (3)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (1)						

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(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

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WIC PNSS & PedNSS

Table 5B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Johnson		4.1 (59)	58.9 (32)	22.5 (45)	39.5 (28)		36.4 (84)	23.5 (72)		100.0 (26)		100.0 (34)		
Jones		0.0 (1)	62.1 (50)	14.3 (10)	50.0 (68)		28.6 (74)	16.7 (68)		100.0 (26)		100.0 (34)		
Keokuk		0.0 (1)	37.5 (3)	25.0 (58)	25.0 (3)		66.7 (96)	0.0 (1)		0.0 (1)		0.0 (1)		
Kossuth		2.9 (45)	73.5 (85)	23.5 (52)	47.1 (59)		0.0 (1)	9.1 (61)		100.0 (26)		100.0 (34)		
Lee		3.6 (52)	72.6 (81)	20.0 (26)	42.5 (43)		3.2 (50)	6.7 (57)		100.0 (26)		100.0 (34)		
Linn		3.0 (46)	60.9 (47)	22.1 (39)	49.8 (67)		42.0 (90)	29.1 (78)		100.0 (26)		100.0 (34)		
Louisa		7.7 (87)	23.1 (2)	38.5 (92)	38.5 (27)		0.0 (1)	0.0 (1)		100.0 (26)		0.0 (1)		
Lucas		0.0 (1)	52.6 (8)	36.8 (91)	36.8 (21)		37.5 (86)	0.0 (1)		100.0 (26)		100.0 (34)		
Lyon		0.0 (1)	42.9 (4)	57.1 (99)	14.3 (1)		0.0 (1)	0.0 (1)		0.0 (1)		0.0 (1)		
Madison		0.0 (1)	80.0 (93)	26.7 (70)	40.0 (29)		66.7 (96)	60.0 (98)		100.0 (26)		0.0 (1)		
Mahaska		6.7 (82)	63.3 (56)	24.1 (57)	41.4 (39)		25.0 (70)	33.3 (80)		0.0 (1)		0.0 (1)		
Marion		6.2 (77)	63.0 (54)	12.7 (8)	50.6 (75)		10.0 (58)	20.0 (70)		100.0 (26)		100.0 (34)		
Marshall		3.1 (48)	58.5 (30)	23.6 (55)	41.3 (38)		13.5 (62)	12.5 (64)		100.0 (26)		100.0 (34)		
Mills		0.0 (1)	57.1 (19)	30.8 (77)	53.8 (82)		0.0 (1)	0.0 (1)		0.0 (1)		100.0 (34)		
Mitchell		0.0 (1)	76.2 (89)	14.3 (10)	57.1 (90)		0.0 (1)	0.0 (1)		100.0 (26)		100.0 (34)		
Monona		4.2 (61)	58.3 (28)	16.7 (16)	37.5 (23)		0.0 (1)	0.0 (1)		0.0 (1)		0.0 (1)		
Monroe		0.0 (1)	16.7 (1)	33.3 (83)	41.7 (40)		0.0 (1)	0.0 (1)		0.0 (1)		0.0 (1)		

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(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

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WIC PNSS & PedNSS

Table 5B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	(4)			(5)			(6)							
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Montgomery		0.0 (1)	73.9 (86)	22.7 (46)	45.5 (49)		0.0 (1)		16.7 (68)		0.0 (1)		100.0 (34)	
Muscatine		4.5 (65)	59.1 (37)	19.3 (24)	52.4 (80)		1.9 (45)		5.3 (53)		100.0 (26)		100.0 (34)	
O'Brien		3.8 (54)	53.8 (10)	25.0 (58)	58.3 (91)		0.0 (1)		0.0 (1)		100.0 (26)		0.0 (1)	
Osceola		0.0 (1)	83.3 (95)	20.0 (26)	40.0 (29)		0.0 (1)		0.0 (1)		0.0 (1)		0.0 (1)	
Page		0.0 (1)	65.9 (66)	23.3 (51)	44.2 (46)		41.7 (89)		40.0 (88)		100.0 (26)		0.0 (1)	
Palo Alto		0.0 (1)	60.0 (41)	20.0 (26)	60.0 (93)		0.0 (1)		0.0 (1)		0.0 (1)		100.0 (34)	
Plymouth		5.7 (73)	54.3 (13)	17.6 (21)	38.2 (25)		0.0 (1)		10.0 (63)		100.0 (26)		0.0 (1)	
Pocahontas		0.0 (1)	100.0 (99)	50.0 (98)	50.0 (68)		0.0 (1)		0.0 (1)		0.0 (1)		0.0 (1)	
Polk		4.4 (64)	57.5 (24)	25.2 (66)	41.0 (35)		2.4 (46)		5.7 (55)		100.0 (26)		100.0 (34)	
Pottawatta		1.9 (37)	65.5 (65)	23.0 (48)	50.7 (76)		8.0 (55)		7.7 (59)		100.0 (26)		100.0 (34)	
Poweshiek		7.4 (86)	66.7 (67)	12.5 (6)	62.5 (94)		28.6 (74)		50.0 (92)		100.0 (26)		100.0 (34)	
Ringgold		0.0 (1)	54.5 (15)	36.4 (90)	36.4 (20)		40.0 (87)		0.0 (1)		100.0 (26)		0.0 (1)	
Sac		8.3 (89)	75.0 (87)	16.7 (16)	50.0 (68)		0.0 (1)		0.0 (1)		100.0 (26)		100.0 (34)	
Scott		4.0 (57)	59.0 (33)	22.3 (43)	45.8 (53)		34.2 (81)		26.3 (75)		100.0 (26)		100.0 (34)	
Shelby		6.5 (81)	58.1 (27)	25.8 (67)	48.4 (64)		0.0 (1)		7.1 (58)		100.0 (26)		0.0 (1)	
Sioux		2.1 (39)	60.6 (44)	25.0 (58)	33.7 (15)		2.9 (49)		2.2 (52)		100.0 (26)		100.0 (34)	
Story		5.1 (69)	59.0 (33)	31.8 (79)	41.2 (36)		2.7 (48)		14.3 (65)		100.0 (26)		100.0 (34)	

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(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

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WIC PNSS & PedNSS

Table 5B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators (2,3)																
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy			
	(4)			(5)			(6)									
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum							
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)		
Tama	2.7	(44)	64.9	(63)	23.5	(52)	41.2	(36)	30.8	(76)	50.0	(92)	100.0	(26)	100.0	(34)
Taylor	12.5	(97)	62.5	(51)	25.0	(58)	37.5	(23)	75.0	(99)	50.0	(92)	100.0	(26)	0.0	(1)
Union	10.0	(93)	56.7	(18)	22.0	(38)	47.5	(62)	35.7	(83)	25.0	(73)	100.0	(26)	100.0	(34)
Van Buren	0.0	(1)	57.1	(19)	0.0	(1)	28.6	(8)	50.0	(92)	0.0	(1)	0.0	(1)	0.0	(1)
Wapello	5.7	(73)	59.5	(39)	19.9	(25)	44.5	(48)	27.1	(73)	29.4	(79)	100.0	(26)	100.0	(34)
Warren	4.1	(59)	57.1	(19)	30.6	(76)	40.8	(34)	0.0	(1)	0.0	(1)	100.0	(26)	100.0	(34)
Washington	7.7	(87)	53.8	(10)	33.3	(83)	29.2	(10)	10.0	(58)	14.3	(65)	100.0	(26)	0.0	(1)
Wayne	6.7	(82)	66.7	(67)	33.3	(83)	46.7	(57)	0.0	(1)	0.0	(1)	0.0	(1)	100.0	(34)
Webster	3.7	(53)	67.4	(75)	21.2	(36)	50.5	(74)	1.5	(44)	0.0	(1)	100.0	(26)	100.0	(34)
Winnebago	4.0	(57)	76.0	(88)	17.4	(20)	47.8	(63)	0.0	(1)	8.3	(60)	100.0	(26)	100.0	(34)
Winneshiek	12.5	(97)	43.8	(5)	6.3	(3)	50.0	(68)	0.0	(1)	0.0	(1)	100.0	(26)	100.0	(34)
Woodbury	1.3	(35)	63.8	(58)	22.4	(44)	45.7	(52)	4.7	(52)	6.1	(56)	100.0	(26)	100.0	(34)
Worth	0.0	(1)	57.1	(19)	0.0	(1)	42.9	(44)	0.0	(1)	0.0	(1)	100.0	(26)	100.0	(34)
Wright	3.0	(46)	59.7	(40)	28.8	(73)	31.8	(12)	0.0	(1)	0.0	(1)	100.0	(26)	100.0	(34)
Iowa	3.8		61.0		23.1		45.1		15.5		14.7		100.0		100.0	
National (Prior Year)	112,231	4.0	60.3		89,229	22.3	47.7		23,550	28.2	52,310	18.4	96,728	10.0	95,873	9.4

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* 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 6B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators (2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Adair	23.8 (78)	4.8 (27)		0.0 (32)		20.0 (55)		88.9 (72)	
Adams	33.3 (35)	0.0 (1)		0.0 (32)		0.0 (85)		100.0 (1)	
Allamakee	22.7 (82)	22.7 (89)		2.0 (13)		11.6 (80)		86.7 (78)	
Appanoose	53.3 (5)	26.7 (94)		4.0 (7)		0.0 (85)		100.0 (1)	
Audubon	57.1 (4)	0.0 (1)		0.0 (32)		0.0 (85)		100.0 (1)	
Benton	42.1 (16)	0.0 (1)		0.0 (32)		18.2 (59)		93.3 (54)	
Blackhawk	29.4 (54)	19.0 (80)		0.9 (25)		22.7 (48)		89.5 (70)	
Boone	29.4 (54)	0.0 (1)		0.0 (32)		44.4 (16)		88.9 (72)	
Bremer	63.6 (2)	18.2 (78)		0.0 (32)		37.5 (26)		100.0 (1)	
Buchanan	47.4 (7)	10.5 (58)		0.0 (32)		28.6 (35)		88.9 (72)	
Buena Vist	26.7 (70)	5.0 (31)		0.0 (32)		41.7 (20)		93.7 (52)	
Butler	27.8 (61)	5.6 (33)		0.0 (32)		14.3 (76)		88.9 (72)	
Calhoun	47.1 (8)	5.9 (38)		0.0 (32)		50.0 (8)		100.0 (1)	
Carroll	24.1 (76)	5.6 (33)		0.0 (32)		10.5 (81)		90.0 (67)	
Cass	36.0 (28)	4.0 (24)		0.0 (32)		66.7 (5)		100.0 (1)	
Cedar	0.0 (97)	0.0 (1)		0.0 (32)		0.0 (85)		100.0 (1)	
Cerro Gord	39.6 (20)	14.5 (74)		0.5 (28)		17.2 (62)		85.8 (82)	
Cherokee	38.9 (22)	5.6 (33)		0.0 (32)		36.4 (29)		100.0 (1)	
Chickasaw	45.5 (11)	0.0 (1)		0.0 (32)		72.7 (3)		92.3 (59)	
Clarke	21.6 (83)	10.8 (59)		0.0 (32)		15.0 (74)		95.0 (44)	

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(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.

* 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 6B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators (2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Clay		30.2 (48)	7.0 (47)		4.1 (6)		45.7 (14)		93.8 (51)
Clayton		30.4 (47)	13.0 (69)		0.0 (32)		39.1 (24)		100.0 (1)
Clinton		36.4 (27)	8.3 (53)		0.7 (27)		38.3 (25)		86.8 (77)
Crawford		25.0 (73)	7.9 (51)		0.0 (32)		26.3 (39)		92.9 (57)
Dallas		32.8 (42)	6.3 (39)		1.2 (23)		25.0 (43)		97.4 (38)
Davis		40.0 (17)	0.0 (1)		11.1 (2)		0.0 (85)		100.0 (1)
Decatur		23.8 (78)	4.8 (27)		0.0 (32)		18.2 (59)		100.0 (1)
Delaware		21.4 (84)	14.3 (73)		0.0 (32)		7.1 (84)		100.0 (1)
Des Moines		27.3 (68)	3.0 (22)		1.4 (22)		25.2 (42)		94.7 (45)
Dickinson		20.0 (85)	6.7 (44)		0.0 (32)		57.1 (7)		100.0 (1)
Dubuque		37.3 (26)	12.0 (67)		1.9 (15)		16.1 (70)		93.5 (53)
Emmet		29.2 (57)	8.3 (53)		0.0 (32)		47.6 (13)		90.9 (62)
Fayette		29.4 (54)	2.9 (21)		2.4 (11)		26.3 (39)		94.7 (45)
Floyd		39.1 (21)	13.0 (69)		0.0 (32)		21.1 (54)		89.6 (69)
Franklin		27.6 (62)	31.0 (99)		0.0 (32)		27.6 (37)		83.3 (86)
Fremont		0.0 (97)	0.0 (1)		20.0 (1)		0.0 (85)		0.0 (98)
Greene		28.6 (58)	21.4 (86)		0.0 (32)		33.3 (32)		83.3 (86)
Grundy		0.0 (97)	25.0 (91)		0.0 (32)		50.0 (8)		100.0 (1)
Guthrie		45.5 (11)	0.0 (1)		0.0 (32)		0.0 (85)		100.0 (1)
Hamilton		27.5 (64)	29.4 (97)		1.8 (17)		22.5 (49)		82.6 (88)
Hancock		40.0 (17)	25.0 (91)		0.0 (32)		15.8 (72)		78.9 (92)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(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.

* 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 6B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators (2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Hardin		46.7 (9)	6.7 (44)		0.0 (32)		0.0 (85)		90.0 (67)
Harrison		33.3 (35)	4.8 (27)		0.0 (32)		0.0 (85)		66.7 (95)
Henry		30.6 (46)	5.6 (33)		0.0 (32)		12.9 (79)		86.5 (79)
Howard		30.0 (50)	15.0 (75)		0.0 (32)		18.2 (59)		81.8 (90)
Humboldt		26.7 (70)	26.7 (94)		0.0 (32)		43.8 (18)		100.0 (1)
Ida		45.0 (13)	5.0 (31)		4.2 (5)		22.2 (51)		100.0 (1)
Iowa		25.0 (73)	0.0 (1)		0.0 (32)		0.0 (85)		100.0 (1)
Jackson		38.1 (23)	4.8 (27)		0.0 (32)		45.5 (15)		94.7 (45)
Jasper		23.9 (77)	11.9 (66)		0.0 (32)		14.9 (75)		90.4 (65)
Jefferson		33.3 (35)	11.1 (60)		0.0 (32)		0.0 (85)		100.0 (1)
Johnson		18.6 (90)	19.0 (80)		2.2 (12)		22.5 (49)		92.3 (59)
Jones		29.6 (52)	0.0 (1)		2.9 (9)		37.5 (26)		96.3 (41)
Keokuk		40.0 (17)	20.0 (82)		0.0 (32)		0.0 (85)		100.0 (1)
Kossuth		50.0 (6)	7.5 (49)		0.0 (32)		19.4 (57)		97.4 (38)
Lee		27.5 (64)	1.3 (20)		0.0 (32)		16.4 (69)		95.2 (43)
Linn		25.2 (72)	8.5 (55)		0.5 (28)		14.2 (77)		90.5 (63)
Louisa		35.7 (29)	7.1 (48)		0.0 (32)		36.4 (29)		81.8 (90)
Lucas		33.3 (35)	5.6 (33)		0.0 (32)		35.7 (31)		64.3 (97)
Lyon		20.0 (85)	20.0 (82)		0.0 (32)		50.0 (8)		100.0 (1)
Madison		20.0 (85)	20.0 (82)		0.0 (32)		28.6 (35)		66.7 (95)
Mahaska		37.5 (24)	4.2 (25)		0.0 (32)		40.0 (22)		100.0 (1)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(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.

* 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 6B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators (2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Marion		28.6 (58)	11.1 (60)		1.2 (23)		23.9 (45)		93.9 (49)
Marshall		33.7 (34)	6.3 (39)		0.4 (31)		17.1 (64)		86.3 (80)
Mills		11.1 (95)	0.0 (1)		0.0 (32)		100.0 (1)		100.0 (1)
Mitchell		34.8 (32)	21.7 (87)		0.0 (32)		36.8 (28)		91.3 (61)
Monona		17.6 (91)	0.0 (1)		0.0 (32)		50.0 (8)		100.0 (1)
Monroe		60.0 (3)	0.0 (1)		0.0 (32)		25.0 (43)		100.0 (1)
Montgomery		23.5 (80)	11.8 (63)		0.0 (32)		0.0 (85)		100.0 (1)
Muscatine		32.0 (45)	6.3 (39)		1.6 (19)		19.3 (58)		96.2 (42)
O'Brien		26.9 (69)	11.5 (62)		3.1 (8)		50.0 (8)		96.4 (40)
Osceola		16.7 (92)	0.0 (1)		0.0 (32)		66.7 (5)		100.0 (1)
Page		42.6 (15)	4.3 (26)		0.0 (32)		41.7 (20)		100.0 (1)
Palo Alto		37.5 (24)	12.5 (68)		0.0 (32)		71.4 (4)		100.0 (1)
Plymouth		15.4 (93)	3.8 (23)		0.0 (32)		20.0 (55)		93.3 (54)
Pocahontas		100.0 (1)	0.0 (1)		0.0 (32)		0.0 (85)		100.0 (1)
Polk		27.6 (62)	13.6 (72)		0.5 (28)		15.6 (73)		88.0 (76)
Pottawatta		35.1 (31)	6.3 (39)		0.0 (32)		16.9 (65)		89.2 (71)
Poweshiek		34.8 (32)	21.7 (87)		7.4 (3)		21.4 (53)		93.3 (54)
Ringgold		11.1 (95)	0.0 (1)		0.0 (32)		16.7 (66)		100.0 (1)
Sac		30.0 (50)	20.0 (82)		0.0 (32)		16.7 (66)		100.0 (1)
Scott		29.5 (53)	13.1 (71)		1.9 (15)		8.3 (83)		100.0 (1)
Shelby		19.0 (89)	9.5 (57)		0.0 (32)		100.0 (1)		100.0 (1)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) Women who reported taking a multivitamin four times a week 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.

* 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 6B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators (2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (4)		During Pregnancy (5)	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Sioux		24.3 (75)	8.1 (52)		1.6 (19)		17.2 (62)		93.9 (49)
Story		32.7 (43)	11.8 (63)		2.5 (10)		25.9 (41)		90.5 (63)
Tama		28.0 (60)	0.0 (1)		5.1 (4)		13.6 (78)		78.3 (93)
Taylor		33.3 (35)	6.7 (44)		0.0 (32)		42.9 (19)		85.7 (83)
Union		44.7 (14)	8.5 (55)		0.0 (32)		21.7 (52)		92.6 (58)
Van Buren		33.3 (35)	0.0 (1)		0.0 (32)		0.0 (85)		0.0 (98)
Wapello		32.5 (44)	28.6 (96)		1.6 (19)		23.3 (47)		76.7 (94)
Warren		27.5 (64)	30.0 (98)		0.0 (32)		27.6 (37)		90.3 (66)
Washington		14.8 (94)	18.5 (79)		0.0 (32)		16.7 (66)		85.7 (83)
Wayne		46.2 (10)	7.7 (50)		0.0 (32)		44.4 (16)		100.0 (1)
Webster		27.5 (64)	24.0 (90)		2.0 (13)		16.0 (71)		82.4 (89)
Winnebago		35.3 (30)	11.8 (63)		1.8 (17)		23.5 (46)		84.6 (85)
Winneshiek		23.1 (81)	15.4 (76)		0.0 (32)		30.8 (34)		100.0 (1)
Woodbury		30.2 (48)	6.5 (43)		0.8 (26)		31.6 (33)		94.4 (48)
Worth		33.3 (35)	16.7 (77)		0.0 (32)		40.0 (22)		100.0 (1)
Wright		19.7 (88)	26.2 (93)		0.0 (32)		9.8 (82)		86.2 (81)
Iowa		29.9	12.1		0.9		21.3		90.3
National (Prior Year)	99,175	68.5	7.4	127,401	22.9	94,432	19.4	93,223	87.9

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(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.

* 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 7B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Adair		33.3 (52)		17.6 (49)		28.6 (39)		0.0 (1)		0.0 (1)
Adams		33.3 (52)		30.8 (86)		0.0 (78)		11.1 (74)		8.3 (86)
Allamakee		14.6 (14)		9.4 (17)		28.6 (39)		8.3 (57)		7.8 (85)
Appanoose		52.9 (91)		35.7 (91)		0.0 (78)		12.5 (79)		0.0 (1)
Audubon		14.3 (12)		22.2 (67)		0.0 (78)		14.3 (86)		11.1 (92)
Benton		20.0 (21)		11.8 (27)		20.0 (59)		13.6 (85)		0.0 (1)
Blackhawk		31.1 (46)		20.0 (58)		20.0 (59)		9.7 (67)		1.4 (62)
Boone		57.1 (94)		55.0 (98)		8.3 (75)		0.0 (1)		0.0 (1)
Bremer		41.7 (77)		11.1 (23)		0.0 (78)		0.0 (1)		0.0 (1)
Buchanan		50.0 (85)		22.7 (71)		10.0 (72)		4.8 (34)		0.0 (1)
Buena Vist		12.5 (10)		1.9 (7)		75.0 (1)		4.7 (33)		3.9 (74)
Butler		26.3 (37)		22.7 (71)		20.0 (59)		0.0 (1)		0.0 (1)
Calhoun		29.4 (42)		20.0 (58)		16.7 (66)		17.6 (92)		5.0 (77)
Carroll		41.1 (75)		18.8 (54)		45.5 (17)		1.8 (25)		2.9 (70)
Cass		40.0 (71)		45.5 (95)		20.0 (59)		0.0 (1)		0.0 (1)
Cedar		33.3 (52)		42.9 (93)		0.0 (78)		0.0 (1)		0.0 (1)
Cerro Gord		32.0 (51)		18.7 (53)		22.2 (55)		4.8 (34)		1.0 (57)
Cherokee		45.0 (80)		25.8 (79)		0.0 (78)		20.0 (94)		9.7 (90)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

* 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 7B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Chickasaw		21.4 (24)		0.0 (1)		50.0 (7)		7.7 (51)		0.0 (1)
Clarke		18.9 (20)		20.5 (63)		16.7 (66)		5.4 (38)		0.0 (1)
Clay		38.8 (69)		18.2 (51)		37.5 (24)		8.2 (56)		15.4 (95)
Clayton		44.0 (79)		26.1 (81)		30.8 (37)		20.8 (97)		13.0 (93)
Clinton		45.3 (81)		21.5 (66)		29.6 (38)		6.6 (48)		0.0 (1)
Crawford		11.0 (8)		7.4 (15)		22.2 (55)		0.0 (1)		0.0 (1)
Dallas		21.4 (24)		6.0 (11)		44.4 (18)		0.0 (1)		0.0 (1)
Davis		0.0 (1)		20.0 (58)		0.0 (78)		0.0 (1)		33.3 (99)
Decatur		36.4 (64)		11.1 (23)		16.7 (66)		0.0 (1)		6.3 (82)
Delaware		35.7 (62)		15.4 (38)		0.0 (78)		0.0 (1)		0.0 (1)
Des Moines		48.2 (84)		22.2 (67)		43.1 (19)		11.8 (75)		3.2 (71)
Dickinson		17.6 (18)		15.8 (41)		66.7 (3)		5.9 (41)		31.6 (98)
Dubuque		14.5 (13)		6.9 (14)		24.4 (53)		0.0 (1)		0.0 (1)
Emmet		8.7 (4)		10.3 (19)		50.0 (7)		13.0 (83)		13.9 (94)
Fayette		35.9 (63)		15.9 (42)		33.3 (29)		26.8 (99)		15.6 (96)
Floyd		34.0 (59)		17.2 (48)		41.2 (20)		2.0 (26)		0.0 (1)
Franklin		21.6 (26)		14.0 (32)		25.0 (48)		0.0 (1)		2.5 (66)
Fremont		40.0 (71)		25.0 (77)		0.0 (78)		20.0 (94)		0.0 (1)
Greene		56.3 (93)		21.1 (64)		55.6 (6)		18.8 (93)		5.3 (78)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

* 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 7B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Grundy		0.0 (1)		0.0 (1)		0.0 (78)		0.0 (1)		0.0 (1)
Guthrie		36.4 (64)		16.7 (44)		50.0 (7)		9.1 (60)		0.0 (1)
Hamilton		34.0 (59)		20.0 (58)		33.3 (29)		8.0 (53)		0.0 (1)
Hancock		20.0 (21)		15.4 (38)		50.0 (7)		10.5 (71)		0.0 (1)
Hardin		31.3 (47)		26.3 (82)		20.0 (59)		11.8 (75)		0.0 (1)
Harrison		28.6 (39)		19.0 (57)		25.0 (48)		9.5 (64)		0.0 (1)
Henry		29.7 (44)		17.0 (47)		27.3 (44)		8.1 (54)		0.0 (1)
Howard		34.6 (61)		27.3 (84)		28.6 (39)		15.4 (88)		4.5 (76)
Humboldt		47.1 (83)		21.1 (64)		50.0 (7)		11.8 (75)		0.0 (1)
Ida		31.8 (50)		18.2 (51)		16.7 (66)		9.5 (64)		9.1 (89)
Iowa		60.0 (95)		57.1 (99)		25.0 (48)		20.0 (94)		0.0 (1)
Jackson		65.2 (96)		25.9 (80)		28.6 (39)		9.1 (60)		3.6 (72)
Jasper		33.3 (52)		18.1 (50)		25.0 (48)		9.2 (63)		1.2 (59)
Jefferson		54.5 (92)		14.3 (34)		28.6 (39)		9.1 (60)		0.0 (1)
Johnson		11.5 (9)		4.4 (8)		36.8 (25)		2.6 (29)		0.5 (53)
Jones		46.2 (82)		28.0 (85)		0.0 (78)		3.6 (30)		6.1 (81)
Keokuk		66.7 (97)		50.0 (96)		0.0 (78)		0.0 (1)		0.0 (1)
Kossuth		9.8 (5)		10.9 (20)		50.0 (7)		5.0 (36)		0.0 (1)
Lee		41.5 (76)		23.1 (74)		31.4 (36)		8.5 (58)		0.0 (1)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

* 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 7B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Linn		25.7 (34)		14.0 (32)		36.6 (26)		5.7 (40)		1.3 (61)
Louisa		0.0 (1)		0.0 (1)		0.0 (78)		0.0 (1)		0.0 (1)
Lucas		25.0 (32)		11.8 (27)		40.0 (21)		5.0 (36)		0.0 (1)
Lyon		16.7 (15)		16.7 (44)		0.0 (78)		0.0 (1)		0.0 (1)
Madison		31.3 (47)		11.1 (23)		50.0 (7)		12.5 (79)		6.3 (82)
Mahaska		40.7 (74)		32.0 (87)		11.1 (71)		14.8 (87)		8.3 (86)
Marion		50.9 (90)		24.5 (76)		20.8 (58)		10.9 (73)		0.0 (1)
Marshall		10.0 (7)		10.9 (20)		4.5 (77)		4.2 (31)		0.8 (54)
Mills		40.0 (71)		0.0 (1)		66.7 (3)		0.0 (1)		0.0 (1)
Mitchell		26.1 (36)		12.9 (29)		50.0 (7)		4.5 (32)		3.7 (73)
Monona		17.6 (18)		26.3 (82)		0.0 (78)		5.9 (41)		0.0 (1)
Monroe		50.0 (85)		42.9 (93)		0.0 (78)		12.5 (79)		0.0 (1)
Montgomery		68.8 (98)		50.0 (96)		10.0 (72)		0.0 (1)		0.0 (1)
Muscatine		30.8 (45)		20.1 (62)		25.9 (46)		12.4 (78)		0.9 (56)
O'Brien		25.9 (35)		6.7 (12)		62.5 (5)		7.1 (50)		0.0 (1)
Osceola		16.7 (15)		6.7 (12)		0.0 (78)		16.7 (89)		0.0 (1)
Page		50.0 (85)		22.7 (71)		18.2 (64)		10.4 (70)		2.5 (66)
Palo Alto		12.5 (10)		16.7 (44)		0.0 (78)		12.5 (79)		25.0 (97)
Plymouth		29.6 (43)		8.1 (16)		71.4 (2)		0.0 (1)		2.8 (68)

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

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WIC PNSS & PedNSS

Table 7B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Pocahontas		100.0 (99)		33.3 (88)		0.0 (78)		0.0 (1)		0.0 (1)
Polk		20.6 (23)		14.3 (34)		25.7 (47)		5.4 (38)		1.5 (63)
Pottawatta		39.3 (70)		22.3 (70)		26.3 (45)		6.4 (47)		0.4 (52)
Poweshiek		22.7 (30)		15.4 (38)		25.0 (48)		17.4 (91)		0.0 (1)
Ringgold		37.5 (67)		25.0 (77)		33.3 (29)		0.0 (1)		0.0 (1)
Sac		50.0 (85)		33.3 (88)		33.3 (29)		10.0 (69)		8.3 (86)
Scott		28.4 (38)		16.5 (43)		17.6 (65)		9.5 (64)		4.2 (75)
Shelby		43.5 (78)		34.8 (90)		16.7 (66)		8.7 (59)		0.0 (1)
Sioux		9.8 (5)		5.7 (10)		33.3 (29)		2.4 (28)		0.0 (1)
Story		24.8 (31)		13.8 (31)		35.5 (28)		7.0 (49)		0.8 (54)
Tama		21.9 (28)		9.4 (17)		33.3 (29)		5.9 (41)		5.4 (79)
Taylor		50.0 (85)		5.3 (9)		33.3 (29)		13.3 (84)		5.9 (80)
Union		31.4 (49)		14.8 (36)		7.7 (76)		9.8 (68)		0.0 (1)
Van Buren		33.3 (52)		0.0 (1)		0.0 (78)		16.7 (89)		0.0 (1)
Wapello		29.0 (41)		18.8 (54)		9.6 (74)		6.3 (46)		1.2 (59)
Warren		37.8 (68)		23.1 (74)		21.4 (57)		7.7 (51)		7.5 (84)
Washington		28.6 (39)		22.2 (67)		0.0 (78)		10.7 (72)		0.0 (1)
Wayne		22.2 (29)		37.5 (92)		0.0 (78)		0.0 (1)		0.0 (1)
Webster		37.0 (66)		18.9 (56)		39.4 (23)		8.1 (54)		1.9 (64)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

* 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 7B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Winnebago		25.0 (32)		10.9 (20)		50.0 (7)		2.1 (27)		1.9 (64)
Winneshiek		33.3 (52)		15.0 (37)		40.0 (21)		21.4 (98)		10.0 (91)
Woodbury		21.6 (26)		11.7 (26)		23.0 (54)		6.0 (44)		1.0 (57)
Worth		33.3 (52)		0.0 (1)		50.0 (7)		0.0 (1)		0.0 (1)
Wright		16.7 (15)		13.7 (30)		36.4 (27)		6.1 (45)		2.8 (68)
Iowa		27.2		15.8		26.8		6.6		1.9
National (Prior Year)	108,764	27.1	119,789	14.3	24,778	36.6	97,290	10.0	120,070	3.5

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

* 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 8B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Adair	14.3 (91)	14.3 (86)		11.1 (54)		4.2 (70)		57.1 (88)	
Adams	0.0 (1)	13.3 (83)		28.6 (96)		0.0 (1)		60.0 (80)	
Allamakee	8.6 (60)	8.6 (56)		9.8 (45)		4.3 (72)		69.0 (54)	
Appanoose	3.4 (18)	6.9 (33)		12.5 (70)		0.0 (1)		58.6 (85)	
Audubon	11.1 (80)	0.0 (1)		0.0 (1)		11.1 (93)		77.8 (22)	
Benton	3.0 (14)	21.2 (97)		6.7 (19)		0.0 (1)		63.6 (71)	
Blackhawk	9.2 (70)	8.5 (55)		11.7 (60)		4.0 (67)		70.9 (45)	
Boone	8.0 (56)	12.0 (79)		9.5 (41)		5.3 (82)		64.0 (70)	
Bremer	11.8 (85)	11.8 (75)		11.8 (61)		13.3 (98)		76.5 (27)	
Buchanan	6.3 (38)	15.6 (91)		7.7 (29)		0.0 (1)		62.5 (74)	
Buena Vist	9.0 (65)	8.1 (51)		14.8 (81)		4.0 (67)		70.3 (50)	
Butler	21.7 (98)	8.7 (58)		21.1 (91)		13.3 (98)		73.9 (38)	
Calhoun	10.0 (73)	5.0 (19)		10.0 (47)		11.1 (93)		60.0 (80)	
Carroll	8.7 (63)	8.7 (58)		8.7 (37)		0.0 (1)		73.9 (38)	
Cass	11.4 (84)	14.3 (86)		18.2 (89)		3.7 (65)		48.6 (96)	
Cedar	0.0 (1)	0.0 (1)		0.0 (1)		0.0 (1)		75.0 (34)	
Cerro Gord	8.6 (60)	7.6 (41)		10.3 (51)		4.5 (75)		66.8 (61)	
Cherokee	13.5 (90)	8.1 (51)		11.4 (58)		12.9 (97)		89.2 (1)	
Chickasaw	6.3 (38)	6.3 (28)		6.7 (19)		0.0 (1)		81.3 (14)	

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

* 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 8B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Clarke	7.8 (53)	11.8 (75)		15.6 (84)		2.6 (58)		70.6 (47)	
Clay	1.9 (12)	13.5 (84)		6.4 (18)		0.0 (1)		78.8 (18)	
Clayton	7.7 (50)	11.5 (74)		4.2 (14)		8.7 (91)		80.8 (16)	
Clinton	11.0 (79)	7.2 (36)		10.9 (53)		4.9 (77)		69.2 (52)	
Crawford	6.9 (42)	4.0 (16)		14.9 (83)		1.2 (47)		64.4 (68)	
Dallas	3.2 (15)	7.5 (40)		2.6 (12)		1.3 (49)		78.5 (21)	
Davis	0.0 (1)	0.0 (1)		12.5 (70)		0.0 (1)		62.5 (74)	
Decatur	7.4 (46)	7.4 (38)		0.0 (1)		4.5 (75)		59.3 (84)	
Delaware	18.8 (96)	6.3 (28)		26.7 (95)		9.1 (92)		25.0 (99)	
Des Moines	6.6 (41)	6.0 (26)		7.0 (24)		5.3 (82)		54.2 (93)	
Dickinson	5.3 (30)	15.8 (92)		16.7 (85)		0.0 (1)		63.2 (72)	
Dubuque	7.2 (44)	6.7 (31)		7.1 (25)		4.9 (77)		51.9 (94)	
Emmet	5.4 (32)	10.8 (68)		12.9 (74)		0.0 (1)		63.2 (72)	
Fayette	9.8 (72)	11.8 (75)		7.3 (27)		5.3 (82)		66.7 (63)	
Floyd	3.2 (15)	11.1 (70)		11.1 (54)		2.1 (54)		64.1 (69)	
Franklin	4.8 (28)	14.3 (86)		14.6 (78)		0.0 (1)		71.4 (44)	
Fremont	0.0 (1)	16.7 (93)		50.0 (98)		0.0 (1)		83.3 (7)	
Greene	5.6 (35)	5.6 (22)		11.1 (54)		6.3 (86)		72.2 (42)	
Grundy	11.1 (80)	0.0 (1)		37.5 (97)		0.0 (1)		55.6 (91)	

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

* National includes previous year's data for all participating States and ITOs.

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WIC PNSS & PedNSS

Table 8B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Guthrie	0.0 (1)		5.9 (24)		0.0 (1)		0.0 (1)		70.6 (47)
Hamilton	15.2 (92)		4.5 (17)		17.9 (88)		6.5 (87)		78.8 (18)
Hancock	3.7 (22)		11.1 (70)		4.5 (15)		0.0 (1)		74.1 (37)
Hardin	16.0 (93)		8.0 (49)		25.0 (93)		0.0 (1)		60.0 (80)
Harrison	9.1 (66)		6.1 (27)		12.5 (70)		3.6 (64)		78.8 (18)
Henry	11.3 (83)		5.7 (23)		14.6 (78)		2.9 (62)		75.9 (32)
Howard	7.4 (46)		14.8 (90)		12.0 (66)		0.0 (1)		85.2 (5)
Humboldt	12.5 (87)		6.3 (28)		21.4 (92)		0.0 (1)		68.8 (55)
Ida	4.5 (27)		4.5 (17)		9.1 (39)		0.0 (1)		81.8 (10)
Iowa	9.1 (66)		18.2 (95)		10.0 (47)		11.1 (93)		81.8 (10)
Jackson	10.0 (73)		3.3 (13)		26.1 (94)		0.0 (1)		56.7 (90)
Jasper	4.2 (24)		16.7 (93)		6.1 (16)		1.3 (49)		69.1 (53)
Jefferson	0.0 (1)		11.8 (75)		7.1 (25)		0.0 (1)		64.7 (67)
Johnson	11.9 (86)		7.8 (46)		9.3 (40)		5.2 (80)		85.9 (4)
Jones	6.1 (37)		3.0 (12)		9.7 (44)		0.0 (1)		66.7 (63)
Keokuk	12.5 (87)		12.5 (81)		16.7 (85)		0.0 (1)		62.5 (74)
Kossuth	4.4 (26)		22.2 (98)		9.8 (45)		0.0 (1)		77.8 (22)
Lee	10.5 (78)		8.6 (56)		10.3 (51)		5.2 (80)		47.6 (97)
Linn	7.2 (44)		9.7 (65)		8.1 (32)		3.9 (66)		71.8 (43)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

* 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 8B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Louisa	5.9 (36)	5.9 (24)		6.7 (19)		7.1 (89)		76.5 (27)	
Lucas	9.1 (66)	13.6 (85)		14.3 (76)		0.0 (1)		68.2 (60)	
Lyon	7.7 (50)	7.7 (44)		8.3 (33)		0.0 (1)		61.5 (78)	
Madison	4.2 (24)	8.3 (53)		11.8 (61)		0.0 (1)		79.2 (17)	
Mahaska	7.0 (43)	9.3 (63)		8.6 (36)		3.1 (63)		51.2 (95)	
Marion	10.3 (76)	10.3 (67)		8.4 (35)		5.3 (82)		61.7 (77)	
Marshall	8.7 (63)	8.0 (49)		9.5 (41)		4.2 (70)		76.2 (30)	
Mills	0.0 (1)	5.3 (20)		0.0 (1)		0.0 (1)		57.9 (87)	
Mitchell	3.3 (17)	3.3 (13)		8.0 (30)		0.0 (1)		83.3 (7)	
Monona	7.4 (46)	3.7 (15)		8.0 (30)		4.3 (72)		70.4 (49)	
Monroe	7.7 (50)	7.7 (44)		18.2 (89)		0.0 (1)		61.5 (78)	
Montgomery	3.4 (18)	6.9 (33)		7.4 (28)		0.0 (1)		75.9 (32)	
Muscatine	8.2 (58)	7.8 (46)		12.3 (69)		2.5 (57)		76.7 (26)	
O'Brien	8.6 (60)	2.9 (11)		16.7 (85)		0.0 (1)		88.6 (2)	
Osceola	0.0 (1)	12.5 (81)		0.0 (1)		0.0 (1)		81.3 (14)	
Page	3.6 (21)	9.1 (61)		11.5 (59)		2.2 (55)		68.5 (58)	
Palo Alto	16.7 (94)	0.0 (1)		12.5 (70)		0.0 (1)		75.0 (34)	
Plymouth	9.1 (66)	2.3 (10)		14.6 (78)		0.0 (1)		84.4 (6)	
Pocahontas	33.3 (99)	0.0 (1)		50.0 (98)		0.0 (1)		66.7 (63)	

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

* 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 8B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Polk	9.3 (71)	7.6 (41)		9.6 (43)		4.3 (72)		77.5 (25)	
Pottawatta	10.2 (75)	7.6 (41)		11.3 (57)		5.0 (79)		72.7 (40)	
Poweshiek	3.4 (18)	6.9 (33)		8.3 (33)		0.0 (1)		58.6 (85)	
Ringgold	0.0 (1)	0.0 (1)		0.0 (1)		0.0 (1)		66.7 (63)	
Sac	0.0 (1)	0.0 (1)		0.0 (1)		0.0 (1)		60.0 (80)	
Scott	10.4 (77)	9.6 (64)		11.9 (64)		4.1 (69)		68.6 (57)	
Shelby	5.3 (30)	0.0 (1)		14.3 (76)		0.0 (1)		55.3 (92)	
Sioux	5.4 (32)	7.8 (46)		10.0 (47)		2.8 (59)		86.9 (3)	
Story	7.8 (53)	11.2 (73)		9.0 (38)		2.8 (59)		81.6 (13)	
Tama	7.5 (49)	10.0 (66)		2.7 (13)		2.8 (59)		72.5 (41)	
Taylor	4.8 (28)	14.3 (86)		0.0 (1)		0.0 (1)		57.1 (88)	
Union	4.0 (23)	5.3 (20)		6.2 (17)		1.6 (51)		82.7 (9)	
Van Buren	0.0 (1)	42.9 (99)		0.0 (1)		0.0 (1)		42.9 (98)	
Wapello	5.5 (34)	7.4 (38)		6.7 (19)		1.2 (47)		74.5 (36)	
Warren	8.2 (58)	6.8 (32)		12.2 (68)		0.0 (1)		69.4 (51)	
Washington	2.9 (13)	8.8 (60)		6.9 (23)		0.0 (1)		76.5 (27)	
Wayne	18.8 (96)	18.8 (96)		13.3 (75)		7.7 (90)		68.8 (55)	
Webster	7.9 (55)	8.4 (54)		10.1 (50)		1.1 (46)		66.8 (61)	
Winnebago	12.7 (89)	10.9 (69)		14.8 (81)		2.2 (55)		70.9 (45)	

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

* 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 8B

2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2,3)										
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed		
	Low (4)		High (5)	(6)		(7)				
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	
Winneshiek	18.2	(95)	9.1	(61)	11.8	(61)	6.7	(88)	81.8	(10)
Woodbury	6.5	(40)	7.2	(36)	12.1	(67)	1.8	(53)	68.3	(59)
Worth	11.1	(80)	11.1	(70)	0.0	(1)	12.5	(96)	77.8	(22)
Wright	8.0	(56)	12.0	(79)	11.9	(64)	1.7	(52)	76.0	(31)
Iowa	8.3		8.4		10.2		3.4		71.7	
National (Prior Year)	117,623	9.3	6.6		117,628	11.8	100,072	3.9	116,293	57.2

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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

* 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 3B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Racial and Ethnic Distribution by County

Combined 3 Years

County	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Adair	88.4	1.4	7.2	0.0	1.4	1.4	0.0
Adams	96.9	0.0	3.1	0.0	0.0	0.0	0.0
Allamakee	57.1	6.1	35.7	0.0	0.5	0.5	0.0
Appanoose	91.8	1.4	6.8	0.0	0.0	0.0	0.0
Audubon	94.4	0.0	5.6	0.0	0.0	0.0	0.0
Benton	98.0	0.0	2.0	0.0	0.0	0.0	0.0
Blackhawk	57.0	24.1	9.3	0.5	5.5	3.5	0.0
Boone	84.6	2.6	10.3	0.0	0.0	2.6	0.0
Bremer	93.8	3.1	3.1	0.0	0.0	0.0	0.0
Buchanan	96.1	1.0	2.9	0.0	0.0	0.0	0.0
Buena Vist	27.8	4.5	50.0	0.3	17.0	0.5	0.0
Butler	95.0	0.0	3.3	0.0	0.0	1.7	0.0
Calhoun	94.3	0.0	5.7	0.0	0.0	0.0	0.0
Carroll	75.9	6.5	16.2	0.0	1.4	0.0	0.0
Cass	89.8	0.8	8.7	0.0	0.0	0.8	0.0
Cedar	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Cerro Gord	77.0	6.0	10.5	0.4	3.1	3.1	0.0
Cherokee	89.7	1.7	8.6	0.0	0.0	0.0	0.0
Chickasaw	69.0	0.0	27.6	0.0	0.0	3.4	0.0
Clarke	67.4	0.8	31.0	0.0	0.8	0.0	0.0
Clay	79.2	0.5	17.3	0.0	2.5	0.5	0.0
Clayton	91.3	0.0	6.8	0.0	1.0	1.0	0.0
Clinton	80.0	9.7	7.8	0.0	0.2	2.3	0.0

(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.

WIC PNSS & PedNSS

Table 3B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Racial and Ethnic Distribution by County Combined 3 Years

County	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Crawford	32.9	3.7	57.1	0.3	6.1	0.0	0.0
Dallas	59.4	4.2	30.6	0.0	2.4	3.5	0.0
Davis	81.3	6.3	6.3	0.0	0.0	6.3	0.0
Decatur	89.7	2.9	5.9	0.0	0.0	1.5	0.0
Delaware	90.2	3.3	6.6	0.0	0.0	0.0	0.0
Des Moines	75.0	18.6	4.7	0.0	0.4	1.3	0.0
Dickinson	81.7	1.7	13.3	0.0	1.7	1.7	0.0
Dubuque	73.1	13.5	7.0	0.4	4.0	2.0	0.0
Emmet	61.0	2.9	33.8	0.0	0.7	1.5	0.0
Fayette	92.0	2.0	5.3	0.0	0.0	0.7	0.0
Floyd	78.2	9.0	8.0	0.0	4.3	0.5	0.0
Franklin	53.4	0.8	45.8	0.0	0.0	0.0	0.0
Fremont	96.7	0.0	3.3	0.0	0.0	0.0	0.0
Greene	81.6	0.0	15.8	0.0	1.3	1.3	0.0
Grundy	96.2	0.0	3.8	0.0	0.0	0.0	0.0
Guthrie	87.5	1.4	9.7	0.0	0.0	1.4	0.0
Hamilton	62.8	1.6	29.8	0.0	5.9	0.0	0.0
Hancock	77.0	1.4	18.9	1.4	0.0	1.4	0.0
Hardin	78.3	1.2	14.5	0.0	0.0	6.0	0.0
Harrison	93.1	0.0	5.9	1.0	0.0	0.0	0.0
Henry	78.3	4.6	16.0	0.0	0.6	0.6	0.0
Howard	91.7	1.4	5.6	0.0	1.4	0.0	0.0
Humboldt	65.8	2.7	30.1	0.0	0.0	1.4	0.0
Ida	84.1	1.2	13.4	0.0	0.0	1.2	0.0

(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.

WIC PNSS & PedNSS

Table 3B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Racial and Ethnic Distribution by County

Combined 3 Years

County	White, Not Hispanic	Black, Not Hispanic	Hispanic	American Indian/Alaska Native	Asian/Pacific Islander	Multiple Races	All Other/Unknown
	%	%	%	%	%	%	%
Iowa	87.9	0.0	9.1	0.0	0.0	3.0	0.0
Jackson	82.6	4.3	2.2	0.0	6.5	4.3	0.0
Jasper	82.8	3.7	10.1	0.6	1.8	0.9	0.0
Jefferson	85.9	3.1	4.7	0.0	6.3	0.0	0.0
Johnson	37.2	41.3	16.7	0.2	2.4	2.2	0.0
Jones	93.4	1.1	5.5	0.0	0.0	0.0	0.0
Keokuk	97.0	0.0	3.0	0.0	0.0	0.0	0.0
Kossuth	79.5	4.5	15.2	0.0	0.0	0.9	0.0
Lee	89.6	3.6	5.2	0.0	0.3	1.4	0.0
Linn	57.9	27.4	7.6	0.1	1.9	5.0	0.0
Louisa	14.0	0.0	41.9	2.3	41.9	0.0	0.0
Lucas	96.3	0.0	3.7	0.0	0.0	0.0	0.0
Lyon	83.3	1.9	9.3	0.0	5.6	0.0	0.0
Madison	91.9	1.6	6.5	0.0	0.0	0.0	0.0
Mahaska	91.5	4.3	4.3	0.0	0.0	0.0	0.0
Marion	91.4	2.1	3.9	0.4	1.1	1.1	0.0
Marshall	39.7	2.5	47.0	0.3	9.2	1.2	0.0
Mills	87.0	0.0	13.0	0.0	0.0	0.0	0.0
Mitchell	89.9	1.3	6.3	0.0	1.3	1.3	0.0
Monona	95.1	0.0	1.2	2.5	0.0	1.2	0.0
Monroe	85.5	11.3	0.0	1.6	0.0	1.6	0.0
Montgomery	93.8	0.0	5.4	0.0	0.8	0.0	0.0
Muscatine	59.3	6.2	32.2	0.0	2.1	0.3	0.0
O'Brien	62.5	3.1	31.3	0.8	2.3	0.0	0.0

(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.

WIC PNSS & PedNSS

Table 3B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Racial and Ethnic Distribution by County Combined 3 Years

County	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Osceola	61.4	4.5	34.1	0.0	0.0	0.0	0.0
Page	90.9	0.0	7.6	0.0	0.0	1.5	0.0
Palo Alto	89.6	3.0	6.0	0.0	0.0	1.5	0.0
Plymouth	66.4	3.6	24.1	1.5	2.9	1.5	0.0
Pocahontas	84.6	3.8	0.0	0.0	11.5	0.0	0.0
Polk	42.9	19.9	24.0	0.3	8.2	4.5	0.0
Pottawatta	78.2	3.2	15.8	0.7	0.5	1.6	0.0
Poweshiek	85.6	1.6	12.0	0.0	0.0	0.8	0.0
Ringgold	93.5	0.0	6.5	0.0	0.0	0.0	0.0
Sac	97.4	0.0	2.6	0.0	0.0	0.0	0.0
Scott	58.7	23.2	10.5	0.5	1.9	5.1	0.0
Shelby	86.5	1.0	12.5	0.0	0.0	0.0	0.0
Sioux	39.5	0.2	58.1	0.7	0.5	1.0	0.0
Story	69.3	8.3	11.0	0.3	9.6	1.4	0.0
Tama	45.3	0.6	38.1	13.3	0.6	2.2	0.0
Taylor	79.6	0.0	14.8	0.0	3.7	1.9	0.0
Union	86.2	2.8	10.6	0.0	0.0	0.4	0.0
Van Buren	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Wapello	72.3	7.4	15.0	0.1	3.9	1.2	0.1
Warren	90.8	1.9	5.0	0.0	1.1	1.1	0.0
Washington	68.9	0.9	27.4	0.0	0.0	2.8	0.0
Wayne	95.8	0.0	4.2	0.0	0.0	0.0	0.0
Webster	77.4	8.3	11.4	0.5	0.2	2.3	0.0
Winnebago	83.6	4.5	11.2	0.7	0.0	0.0	0.0

(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.

WIC PNSS & PedNSS

Table 3B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Racial and Ethnic Distribution by County

Combined 3 Years

County	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Winnebago	83.1	1.3	13.0	0.0	0.0	2.6	0.0
Woodbury	43.1	10.8	36.5	3.5	3.5	2.5	0.0
Worth	79.2	4.2	12.5	0.0	4.2	0.0	0.0
Wright	36.8	0.5	62.7	0.0	0.0	0.0	0.0
Iowa	60.9	13.4	18.6	0.5	3.9	2.6	0.0

(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.

WIC PNSS & PedNSS

Table 4B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Age Distribution by County

Combined 3 Years

County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Adair	0.0	0.0	5.8	56.5	37.7	0.0	0.0
Adams	0.0	0.0	9.4	62.5	28.1	0.0	0.0
Allamakee	0.0	2.0	3.1	57.7	36.7	0.5	0.0
Appanoose	0.0	1.4	6.8	64.4	26.0	1.4	0.0
Audubon	0.0	5.6	11.1	63.9	19.4	0.0	0.0
Benton	0.0	2.0	3.1	66.3	26.5	2.0	0.0
Blackhawk	0.2	1.8	5.1	62.8	28.8	1.4	0.0
Boone	0.0	1.3	3.8	62.8	28.2	3.8	0.0
Bremer	0.0	1.5	3.1	56.9	36.9	1.5	0.0
Buchanan	0.0	1.9	1.0	64.1	29.1	3.9	0.0
Buena Vist	0.0	2.0	5.3	57.5	31.5	3.8	0.0
Butler	0.0	0.0	1.7	56.7	41.7	0.0	0.0
Calhoun	0.0	0.0	3.8	69.8	22.6	3.8	0.0
Carroll	0.0	0.5	5.1	63.9	28.7	1.9	0.0
Cass	0.0	1.6	7.9	61.4	27.6	0.8	0.8
Cedar	0.0	4.0	16.0	64.0	12.0	4.0	0.0
Cerro Gord	0.0	1.5	7.6	65.6	23.6	1.7	0.0
Cherokee	0.0	1.7	12.1	68.1	17.2	0.9	0.0
Chickasaw	0.0	0.0	8.6	60.3	31.0	0.0	0.0
Clarke	0.0	0.8	4.7	63.6	28.7	2.3	0.0
Clay	0.0	1.5	6.6	71.6	19.8	0.5	0.0
Clayton	0.0	1.0	1.0	67.0	31.1	0.0	0.0
Clinton	0.0	2.8	6.9	64.4	24.1	1.6	0.2
Crawford	0.0	1.4	2.6	62.5	30.3	3.2	0.0

(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.

WIC PNSS & PedNSS

Table 4B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Age Distribution by County

Combined 3 Years

County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Dallas	0.3	2.4	4.9	59.7	30.6	2.1	0.0
Davis	0.0	0.0	6.3	75.0	12.5	6.3	0.0
Decatur	0.0	0.0	10.3	73.5	14.7	1.5	0.0
Delaware	0.0	0.0	4.9	65.6	27.9	1.6	0.0
Des Moines	0.0	3.6	7.6	61.3	26.8	0.8	0.0
Dickinson	0.0	3.3	8.3	68.3	18.3	1.7	0.0
Dubuque	0.0	2.6	6.6	62.4	26.9	1.3	0.2
Emmet	0.0	1.5	6.6	70.6	20.6	0.7	0.0
Fayette	0.0	2.0	7.3	65.3	24.0	1.3	0.0
Floyd	0.0	0.5	4.3	68.6	26.6	0.0	0.0
Franklin	0.8	3.1	5.3	52.7	34.4	3.8	0.0
Fremont	0.0	0.0	13.3	53.3	33.3	0.0	0.0
Greene	0.0	0.0	9.2	75.0	14.5	1.3	0.0
Grundy	0.0	0.0	3.8	69.2	26.9	0.0	0.0
Guthrie	0.0	2.8	5.6	65.3	26.4	0.0	0.0
Hamilton	0.0	4.3	6.9	59.6	26.1	3.2	0.0
Hancock	0.0	0.0	9.5	63.5	24.3	2.7	0.0
Hardin	0.0	1.2	4.8	68.7	25.3	0.0	0.0
Harrison	0.0	1.0	4.9	60.8	33.3	0.0	0.0
Henry	0.0	2.9	6.3	65.7	22.9	2.3	0.0
Howard	0.0	4.2	5.6	56.9	31.9	1.4	0.0
Humboldt	0.0	0.0	5.5	53.4	41.1	0.0	0.0
Ida	0.0	1.2	7.3	57.3	31.7	2.4	0.0
Iowa	0.0	3.0	3.0	72.7	21.2	0.0	0.0

(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.

WIC PNSS & PedNSS

Table 4B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Age Distribution by County

Combined 3 Years

County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Jackson	0.0	1.1	6.5	70.7	21.7	0.0	0.0
Jasper	0.0	1.5	8.3	61.3	27.0	1.5	0.3
Jefferson	0.0	0.0	1.6	71.9	23.4	3.1	0.0
Johnson	0.0	0.7	3.7	52.3	40.1	3.3	0.0
Jones	0.0	2.2	3.3	61.5	31.9	1.1	0.0
Keokuk	0.0	0.0	6.1	69.7	24.2	0.0	0.0
Kossuth	0.0	0.9	7.1	56.3	35.7	0.0	0.0
Lee	0.0	3.6	8.2	66.5	21.2	0.5	0.0
Linn	0.0	1.6	6.3	61.0	29.0	2.0	0.0
Louisa	0.0	0.0	0.0	39.5	53.5	7.0	0.0
Lucas	0.0	0.0	9.3	66.7	22.2	1.9	0.0
Lyon	0.0	3.7	5.6	59.3	27.8	3.7	0.0
Madison	0.0	0.0	4.8	59.7	33.9	1.6	0.0
Mahaska	0.0	2.1	6.4	61.0	26.2	4.3	0.0
Marion	0.0	2.5	7.1	63.6	24.3	2.5	0.0
Marshall	0.1	3.1	6.6	59.5	28.5	2.2	0.0
Mills	0.0	1.4	7.2	68.1	23.2	0.0	0.0
Mitchell	0.0	0.0	3.8	60.8	35.4	0.0	0.0
Monona	0.0	2.5	3.7	58.0	35.8	0.0	0.0
Monroe	0.0	1.6	3.2	66.1	29.0	0.0	0.0
Montgomery	0.0	2.3	10.8	58.5	27.7	0.8	0.0
Muscatine	0.1	3.0	7.9	60.6	26.2	2.2	0.0
O'Brien	0.0	3.9	5.5	57.8	31.3	1.6	0.0
Osceola	0.0	0.0	2.3	59.1	36.4	2.3	0.0

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

(2) Excludes data with errors.

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WIC PNSS & PedNSS

Table 4B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Age Distribution by County

Combined 3 Years

County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Page	0.0	4.5	6.8	68.9	17.4	2.3	0.0
Palo Alto	0.0	0.0	3.0	65.7	29.9	1.5	0.0
Plymouth	0.0	1.5	8.8	61.3	24.8	3.6	0.0
Pocahontas	0.0	7.7	0.0	69.2	23.1	0.0	0.0
Polk	0.1	2.4	6.3	57.8	30.5	2.9	0.0
Pottawatta	0.0	2.6	7.2	64.8	23.8	1.6	0.0
Poweshiek	0.0	2.4	4.8	66.4	25.6	0.8	0.0
Ringgold	0.0	0.0	9.7	71.0	19.4	0.0	0.0
Sac	0.0	2.6	2.6	48.7	43.6	2.6	0.0
Scott	0.2	3.1	7.8	62.6	24.8	1.6	0.0
Shelby	0.0	3.1	3.1	69.8	20.8	3.1	0.0
Sioux	0.2	3.7	9.2	55.6	28.8	2.2	0.2
Story	0.0	1.6	5.5	57.7	33.3	2.0	0.0
Tama	0.0	1.7	5.0	64.1	28.2	1.1	0.0
Taylor	0.0	0.0	5.6	66.7	27.8	0.0	0.0
Union	0.4	3.3	10.6	61.0	23.2	1.2	0.4
Van Buren	0.0	13.3	0.0	33.3	53.3	0.0	0.0
Wapello	0.0	2.3	7.1	63.7	25.1	1.6	0.1
Warren	0.0	1.5	6.9	62.6	27.1	1.9	0.0
Washington	0.0	0.9	2.8	60.4	35.8	0.0	0.0
Wayne	0.0	2.1	2.1	66.7	29.2	0.0	0.0
Webster	0.2	3.1	6.7	63.3	26.0	0.8	0.0
Winnebago	0.0	0.7	3.7	68.7	26.1	0.7	0.0
Winneshiek	0.0	1.3	7.8	57.1	32.5	1.3	0.0

(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.

WIC PNSS & PedNSS

Table 4B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Age Distribution by County

Combined 3 Years

County	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Woodbury	0.1	2.0	6.2	60.0	29.7	2.1	0.0
Worth	0.0	0.0	4.2	66.7	25.0	4.2	0.0
Wright	0.5	3.4	7.4	56.9	29.4	2.5	0.0
Iowa	0.1	2.2	6.3	61.0	28.4	2.0	0.0

(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.

WIC PNSS & PedNSS

Table 5B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)														
County	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Adair	0.0 (1)	71.4 (90)		14.6 (8)	47.9 (53)		31.3 (75)	38.5 (96)		100.0 (13)	100.0 (14)			
Adams	3.8 (60)	65.4 (67)		26.9 (76)	50.0 (69)		55.6 (98)	25.0 (73)		100.0 (13)	100.0 (14)			
Allamakee	1.9 (21)	66.9 (75)		26.8 (74)	43.6 (35)		37.0 (89)	33.9 (90)		100.0 (13)	100.0 (14)			
Appanoose	3.5 (52)	73.7 (93)		29.1 (84)	49.1 (66)		37.5 (90)	35.3 (93)		100.0 (13)	100.0 (14)			
Audubon	0.0 (1)	57.6 (18)		21.9 (43)	53.1 (88)		33.3 (78)	17.6 (59)		100.0 (13)	0.0 (1)			
Benton	3.6 (53)	66.3 (70)		31.3 (89)	41.3 (23)		0.0 (1)	5.0 (34)		100.0 (13)	100.0 (14)			
Blackhawk	3.6 (53)	60.4 (35)		20.9 (31)	48.2 (55)		6.3 (41)	5.1 (36)		100.0 (13)	100.0 (14)			
Boone	1.9 (21)	66.0 (69)		38.5 (98)	44.2 (37)		30.8 (72)	7.7 (39)		100.0 (13)	100.0 (14)			
Bremer	5.8 (82)	67.3 (77)		26.9 (76)	38.5 (14)		11.1 (53)	9.1 (46)		100.0 (13)	0.0 (1)			
Buchanan	0.0 (1)	67.5 (80)		21.5 (37)	40.5 (19)		0.0 (1)	0.0 (1)		100.0 (13)	100.0 (14)			
Buena Vist	3.4 (48)	58.8 (21)		24.1 (58)	39.7 (16)		0.9 (28)	7.7 (39)		100.0 (13)	100.0 (14)			
Butler	2.2 (31)	73.9 (94)		17.4 (15)	50.0 (69)		0.0 (1)	0.0 (1)		100.0 (13)	100.0 (14)			
Calhoun	7.1 (95)	61.9 (46)		17.1 (12)	46.3 (44)		21.4 (60)	23.1 (70)		100.0 (13)	100.0 (14)			
Carroll	2.3 (32)	65.3 (65)		16.5 (9)	53.5 (91)		31.7 (76)	18.8 (62)		100.0 (13)	100.0 (14)			
Cass	6.7 (90)	61.9 (46)		25.5 (68)	56.9 (98)		6.9 (43)	2.9 (25)		0.0 (1)	100.0 (14)			
Cedar	6.3 (88)	50.0 (4)		28.6 (82)	42.9 (28)		28.6 (68)	9.1 (46)		100.0 (13)	0.0 (1)			
Cerro Gord	3.6 (53)	64.1 (61)		18.1 (17)	50.8 (76)		5.0 (40)	8.2 (43)		100.0 (13)	100.0 (14)			

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) 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.

WIC PNSS & PedNSS

Table 5B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)														
County	Prepregnancy BMI (4)			Weight Gain (5)			Anemia (Low Hb/Hct) (6)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)				
Cherokee	4.4 (75)	60.4 (35)		20.5 (28)	48.9 (63)		0.0 (1)	0.0 (1)			100.0 (13)	100.0 (14)		
Chickasaw	4.1 (67)	63.3 (56)		22.9 (52)	41.7 (25)		0.0 (1)	0.0 (1)			100.0 (13)	100.0 (14)		
Clarke	5.6 (81)	57.3 (16)		26.7 (72)	34.9 (8)		33.3 (78)	33.3 (86)			100.0 (13)	100.0 (14)		
Clay	1.9 (21)	61.5 (44)		29.5 (85)	43.2 (33)		0.0 (1)	0.0 (1)			100.0 (13)	100.0 (14)		
Clayton	1.3 (16)	64.9 (64)		20.5 (28)	54.8 (95)		33.3 (78)	24.0 (72)			100.0 (13)	100.0 (14)		
Clinton	4.1 (67)	63.7 (59)		21.5 (37)	53.6 (92)		32.8 (77)	30.6 (83)			100.0 (13)	100.0 (14)		
Crawford	2.0 (26)	61.4 (43)		32.0 (92)	34.4 (6)		1.7 (30)	3.2 (28)			100.0 (13)	100.0 (14)		
Dallas	4.1 (67)	62.4 (51)		21.1 (32)	43.1 (31)		9.7 (50)	8.3 (44)			100.0 (13)	100.0 (14)		
Davis	6.7 (90)	60.0 (30)		35.7 (96)	50.0 (69)		40.0 (94)	28.6 (81)			0.0 (1)	0.0 (1)		
Decatur	7.0 (94)	51.2 (7)		35.9 (97)	30.8 (4)		30.8 (72)	25.0 (73)			100.0 (13)	100.0 (14)		
Delaware	2.0 (26)	66.7 (72)		23.5 (56)	52.9 (87)		38.5 (92)	20.0 (63)			100.0 (13)	100.0 (14)		
Des Moines	6.2 (87)	59.3 (24)		16.8 (11)	52.8 (85)		6.3 (41)	5.9 (38)			100.0 (13)	100.0 (14)		
Dickinson	2.0 (26)	63.3 (56)		22.7 (51)	56.8 (97)		0.0 (1)	22.2 (66)			100.0 (13)	100.0 (14)		
Dubuque	3.9 (64)	60.0 (30)		21.3 (36)	48.4 (57)		49.6 (97)	37.1 (95)			100.0 (13)	100.0 (14)		
Emmet	3.0 (44)	67.3 (77)		21.1 (32)	51.6 (81)		3.0 (33)	3.7 (30)			100.0 (13)	100.0 (14)		
Fayette	2.8 (37)	60.4 (35)		25.5 (68)	43.1 (31)		25.0 (63)	30.0 (82)			100.0 (13)	100.0 (14)		
Floyd	2.3 (32)	62.9 (54)		20.2 (27)	41.1 (22)		7.1 (45)	3.0 (26)			100.0 (13)	100.0 (14)		

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(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) 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.

WIC PNSS & PedNSS

Table 5B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)																
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy			
	(4)			(5)			(6)									
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum							
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)		
Franklin	1.9	(21)	78.3	(98)	21.6	(39)	47.1	(49)	0.0	(1)	4.8	(33)	100.0	(13)	100.0	(14)
Fremont	0.0	(1)	63.6	(58)	14.3	(6)	52.4	(82)	0.0	(1)	0.0	(1)	100.0	(13)	0.0	(1)
Greene	6.3	(88)	60.3	(34)	17.7	(16)	46.8	(47)	44.4	(95)	21.1	(65)	100.0	(13)	100.0	(14)
Grundy	0.0	(1)	75.0	(95)	28.6	(82)	28.6	(3)	0.0	(1)	0.0	(1)	0.0	(1)	100.0	(14)
Guthrie	2.0	(26)	78.4	(99)	26.7	(72)	53.3	(89)	30.8	(72)	22.2	(66)	100.0	(13)	100.0	(14)
Hamilton	3.4	(48)	58.1	(19)	19.9	(25)	46.1	(40)	10.5	(52)	9.1	(46)	100.0	(13)	100.0	(14)
Hancock	3.8	(60)	67.9	(81)	26.4	(71)	47.2	(50)	11.1	(53)	10.0	(52)	100.0	(13)	100.0	(14)
Hardin	4.5	(76)	56.7	(12)	27.7	(81)	35.4	(9)	18.8	(57)	40.0	(98)	100.0	(13)	100.0	(14)
Harrison	1.3	(16)	60.5	(38)	18.9	(22)	52.7	(84)	0.0	(1)	0.0	(1)	0.0	(1)	100.0	(14)
Henry	0.0	(1)	59.5	(26)	24.3	(60)	48.7	(61)	4.5	(38)	0.0	(1)	100.0	(13)	100.0	(14)
Howard	8.6	(99)	50.0	(4)	17.3	(13)	46.2	(42)	12.5	(55)	31.8	(85)	100.0	(13)	100.0	(14)
Humboldt	0.0	(1)	66.7	(72)	24.2	(59)	40.3	(17)	10.0	(51)	25.0	(73)	100.0	(13)	0.0	(1)
Ida	5.8	(82)	69.6	(85)	29.9	(87)	47.8	(52)	0.0	(1)	0.0	(1)	100.0	(13)	100.0	(14)
Iowa	0.0	(1)	70.0	(87)	10.5	(5)	47.4	(51)	20.0	(58)	33.3	(86)	0.0	(1)	100.0	(14)
Jackson	6.7	(90)	68.0	(82)	23.0	(54)	48.6	(59)	30.0	(69)	50.0	(99)	100.0	(13)	100.0	(14)
Jasper	4.1	(67)	59.8	(29)	24.3	(60)	46.1	(40)	24.4	(62)	34.0	(91)	100.0	(13)	100.0	(14)
Jefferson	0.0	(1)	73.6	(92)	22.0	(45)	48.0	(54)	38.1	(91)	17.6	(59)	0.0	(1)	100.0	(14)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) 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.

WIC PNSS & PedNSS

Table 5B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)																
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy			
	⁽⁴⁾			⁽⁵⁾			⁽⁶⁾									
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester		Postpartum							
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)		
Johnson	3.7	(56)	56.8	(13)	24.6	(64)	39.3	(15)	36.5	(88)	26.5	(78)	100.0	(13)	100.0	(14)
Jones	1.4	(18)	61.6	(45)	19.4	(24)	51.4	(78)	35.3	(85)	23.1	(70)	100.0	(13)	100.0	(14)
Keokuk	0.0	(1)	63.0	(55)	25.0	(66)	45.8	(39)	30.0	(69)	33.3	(86)	0.0	(1)	0.0	(1)
Kossuth	5.9	(84)	65.9	(68)	26.8	(74)	48.8	(62)	0.0	(1)	17.9	(61)	100.0	(13)	100.0	(14)
Lee	4.0	(66)	64.5	(62)	25.5	(68)	42.9	(28)	2.1	(31)	8.0	(42)	100.0	(13)	100.0	(14)
Linn	3.2	(45)	61.1	(42)	21.8	(41)	49.1	(66)	36.3	(86)	35.4	(94)	100.0	(13)	100.0	(14)
Louisa	2.8	(37)	22.2	(1)	33.3	(94)	27.8	(2)	0.0	(1)	0.0	(1)	100.0	(13)	0.0	(1)
Lucas	6.1	(85)	45.5	(3)	40.6	(99)	34.4	(6)	27.3	(66)	0.0	(1)	100.0	(13)	100.0	(14)
Lyon	2.7	(35)	70.3	(88)	31.4	(90)	57.1	(99)	0.0	(1)	0.0	(1)	100.0	(13)	0.0	(1)
Madison	0.0	(1)	71.4	(90)	27.5	(80)	37.5	(13)	25.0	(63)	38.5	(96)	100.0	(13)	0.0	(1)
Mahaska	2.7	(35)	58.4	(20)	25.2	(67)	46.7	(46)	30.0	(69)	22.6	(69)	100.0	(13)	100.0	(14)
Marion	7.6	(97)	57.1	(15)	23.0	(54)	42.9	(28)	8.5	(48)	7.9	(41)	100.0	(13)	100.0	(14)
Marshall	3.7	(56)	59.7	(28)	24.4	(62)	40.9	(20)	14.0	(56)	15.2	(58)	100.0	(13)	100.0	(14)
Mills	3.7	(56)	57.4	(17)	22.0	(45)	54.0	(93)	0.0	(1)	0.0	(1)	0.0	(1)	100.0	(14)
Mitchell	1.9	(21)	69.8	(86)	17.3	(13)	40.4	(18)	8.3	(47)	0.0	(1)	100.0	(13)	100.0	(14)
Monona	1.6	(19)	67.2	(76)	14.3	(6)	50.8	(76)	0.0	(1)	0.0	(1)	0.0	(1)	0.0	(1)
Monroe	4.1	(67)	53.1	(8)	27.1	(78)	41.7	(25)	0.0	(1)	8.3	(44)	100.0	(13)	100.0	(14)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) 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.

WIC PNSS & PedNSS

Table 5B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	⁽⁴⁾			⁽⁵⁾			⁽⁶⁾							
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester		Postpartum					
Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	
Montgomery	3.7 (56)	68.2 (83)		22.3 (49)	52.4 (82)		0.0 (1)	5.0 (34)		0.0 (1)		100.0 (14)		
Muscatine	3.3 (47)	60.5 (38)		18.8 (21)	49.1 (66)		0.6 (27)	3.1 (27)		100.0 (13)		100.0 (14)		
O'Brien	3.2 (45)	60.2 (33)		23.6 (57)	52.8 (85)		0.0 (1)	0.0 (1)		100.0 (13)		100.0 (14)		
Osceola	3.8 (60)	76.9 (96)		20.0 (26)	36.0 (11)		0.0 (1)	0.0 (1)		100.0 (13)		100.0 (14)		
Page	3.9 (64)	60.8 (40)		22.9 (52)	46.9 (48)		47.8 (96)	33.3 (86)		100.0 (13)		100.0 (14)		
Palo Alto	0.0 (1)	71.1 (89)		9.8 (3)	46.3 (44)		0.0 (1)	9.1 (46)		100.0 (13)		100.0 (14)		
Plymouth	5.5 (80)	59.6 (27)		20.6 (30)	48.6 (59)		0.0 (1)	3.6 (29)		100.0 (13)		100.0 (14)		
Pocahontas	0.0 (1)	60.0 (30)		21.1 (32)	42.1 (27)		0.0 (1)	0.0 (1)		100.0 (13)		100.0 (14)		
Polk	4.1 (67)	56.6 (11)		24.6 (64)	41.4 (24)		2.6 (32)	5.4 (37)		100.0 (13)		100.0 (14)		
Pottawatta	3.4 (48)	62.0 (48)		22.3 (49)	48.9 (63)		7.0 (44)	4.7 (31)		100.0 (13)		100.0 (14)		
Poweshiek	6.1 (85)	66.3 (70)		18.3 (20)	50.5 (73)		39.1 (93)	26.5 (78)		100.0 (13)		100.0 (14)		
Ringgold	7.1 (95)	50.0 (4)		29.6 (86)	55.6 (96)		33.3 (78)	0.0 (1)		100.0 (13)		0.0 (1)		
Sac	2.9 (41)	64.7 (63)		18.2 (18)	48.5 (58)		36.4 (87)	30.8 (84)		100.0 (13)		100.0 (14)		
Scott	4.1 (67)	59.2 (23)		21.9 (43)	46.2 (42)		34.0 (84)	22.2 (66)		100.0 (13)		100.0 (14)		
Shelby	3.8 (60)	62.0 (48)		18.2 (18)	50.6 (74)		4.2 (36)	10.0 (52)		100.0 (13)		100.0 (14)		
Sioux	1.7 (20)	59.0 (22)		30.2 (88)	35.4 (9)		1.1 (29)	2.5 (23)		100.0 (13)		100.0 (14)		
Story	5.2 (78)	56.9 (14)		24.4 (62)	40.9 (20)		9.0 (49)	12.0 (57)		100.0 (13)		100.0 (14)		

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) 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.

WIC PNSS & PedNSS

Table 5B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Health Indicators by County

Combined 3 Years

Comparison of Maternal Health Indicators ^(2,3)														
County	Prepregnancy BMI			Weight Gain			Anemia (Low Hb/Hct)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	⁽⁴⁾			⁽⁵⁾			⁽⁶⁾							
	Under- weight	Over- weight		< Ideal	> Ideal		3rd Trimester		Postpartum					
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Tama	2.0 (26)	67.3 (77)		27.3 (79)	43.2 (33)		21.1 (59)		34.8 (92)		100.0 (13)		100.0 (14)	
Taylor	8.3 (98)	63.9 (60)		33.3 (94)	36.1 (12)		57.1 (99)		25.0 (73)		100.0 (13)		0.0 (1)	
Union	5.2 (78)	59.3 (24)		19.0 (23)	51.5 (79)		26.8 (65)		20.7 (64)		100.0 (13)		100.0 (14)	
Van Buren	0.0 (1)	41.7 (2)		0.0 (1)	25.0 (1)		33.3 (78)		0.0 (1)		0.0 (1)		100.0 (14)	
Wapello	4.5 (76)	60.8 (40)		22.2 (48)	45.4 (38)		28.2 (67)		25.2 (77)		100.0 (13)		100.0 (14)	
Warren	4.1 (67)	62.2 (50)		21.8 (41)	50.6 (74)		4.8 (39)		2.7 (24)		100.0 (13)		100.0 (14)	
Washington	6.7 (90)	62.7 (53)		21.2 (35)	51.5 (79)		21.7 (61)		10.5 (56)		100.0 (13)		100.0 (14)	
Wayne	2.9 (41)	77.1 (97)		32.4 (93)	50.0 (69)		0.0 (1)		9.1 (46)		0.0 (1)		100.0 (14)	
Webster	2.8 (37)	65.3 (65)		22.0 (45)	48.3 (56)		3.4 (34)		9.1 (46)		100.0 (13)		100.0 (14)	
Winnebago	2.8 (37)	68.2 (83)		16.7 (10)	49.0 (65)		7.1 (45)		10.0 (52)		100.0 (13)		100.0 (14)	
Winneshiek	3.4 (48)	55.9 (9)		10.2 (4)	54.2 (94)		33.3 (78)		26.7 (80)		100.0 (13)		100.0 (14)	
Woodbury	2.6 (34)	62.6 (52)		21.6 (39)	43.7 (36)		4.0 (35)		4.7 (31)		100.0 (13)		100.0 (14)	
Worth	0.0 (1)	66.7 (72)		0.0 (1)	53.3 (89)		0.0 (1)		0.0 (1)		100.0 (13)		100.0 (14)	
Wright	2.9 (41)	56.3 (10)		31.5 (91)	32.1 (5)		4.2 (36)		10.0 (52)		100.0 (13)		100.0 (14)	
Iowa	26,971	3.7	60.4	25,791	22.9	45.2	7,639	14.7	4,950	14.6	1,902	100.0	973	100.0

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(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(4) 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).

(5) 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 prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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WIC PNSS & PedNSS

Table 6B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Behavioral Indicators by County

Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Adair		26.1 (80)	8.7 (43)		0.0 (60)		29.6 (28)		96.0 (16)
Adams		38.1 (19)	4.8 (11)		0.0 (60)		18.2 (76)		100.0 (1)
Allamakee		25.2 (84)	16.3 (80)		0.6 (57)		25.0 (41)		87.1 (69)
Appanoose		31.8 (47)	13.6 (70)		3.3 (9)		33.3 (23)		85.7 (74)
Audubon		37.0 (23)	7.4 (35)		0.0 (60)		22.2 (50)		80.0 (87)
Benton		33.3 (36)	16.7 (81)		1.1 (42)		16.7 (82)		94.6 (23)
Blackhawk		34.7 (34)	20.4 (91)		2.3 (24)		20.0 (69)		87.9 (63)
Boone		31.9 (46)	17.0 (82)		1.8 (32)		28.1 (32)		84.8 (80)
Bremer		61.0 (1)	7.3 (33)		0.0 (60)		55.6 (6)		93.3 (33)
Buchanan		38.7 (18)	16.1 (77)		0.0 (60)		37.8 (19)		95.6 (20)
Buena Vist		18.3 (97)	7.5 (37)		0.0 (60)		48.2 (12)		94.3 (25)
Butler		42.6 (10)	6.4 (24)		0.0 (60)		24.4 (44)		82.6 (82)
Calhoun		42.9 (7)	9.5 (49)		0.0 (60)		18.8 (74)		82.4 (83)
Carroll		25.3 (83)	7.1 (29)		0.5 (58)		20.6 (66)		84.9 (79)
Cass		37.3 (20)	3.6 (5)		0.8 (51)		60.0 (3)		95.0 (21)
Cedar		25.0 (86)	8.3 (41)		0.0 (60)		0.0 (98)		100.0 (1)
Cerro Gord		36.9 (25)	20.1 (90)		1.6 (35)		21.1 (60)		85.2 (76)
Cherokee		42.7 (9)	2.7 (3)		1.9 (29)		37.9 (18)		87.1 (69)
Chickasaw		31.4 (50)	17.1 (83)		2.0 (28)		51.7 (9)		93.5 (30)
Clarke		28.8 (70)	12.3 (64)		0.0 (60)		17.9 (78)		90.0 (56)
Clay		30.9 (56)	10.1 (56)		1.2 (40)		46.0 (13)		92.4 (39)

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(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(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.

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

WIC PNSS & PedNSS

Table 6B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Behavioral Indicators by County

Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Clayton		26.0 (81)	9.1 (46)		0.0 (60)		33.8 (22)		97.5 (14)
Clinton		37.2 (21)	9.5 (49)		0.9 (47)		30.0 (27)		86.3 (73)
Crawford		28.9 (69)	6.2 (23)		0.0 (60)		30.8 (25)		92.9 (36)
Dallas		29.0 (68)	10.4 (57)		2.4 (22)		24.2 (45)		90.2 (54)
Davis		40.0 (14)	10.0 (54)		6.7 (1)		50.0 (10)		100.0 (1)
Decatur		29.3 (64)	14.6 (74)		0.0 (60)		13.6 (93)		90.5 (51)
Delaware		22.4 (93)	8.2 (40)		0.0 (60)		11.6 (96)		95.7 (19)
Des Moines		31.3 (51)	5.3 (15)		0.5 (58)		21.4 (57)		94.1 (26)
Dickinson		20.5 (96)	11.4 (63)		5.4 (3)		53.8 (7)		95.8 (18)
Dubuque		36.0 (29)	13.8 (71)		2.7 (16)		14.1 (91)		91.1 (46)
Emmet		28.7 (71)	7.4 (35)		0.0 (60)		50.0 (10)		93.9 (28)
Fayette		33.0 (38)	9.0 (45)		0.8 (51)		25.0 (41)		93.5 (30)
Floyd		45.6 (4)	16.2 (78)		0.0 (60)		27.4 (34)		89.0 (60)
Franklin		29.5 (62)	30.7 (99)		0.9 (47)		22.7 (49)		80.4 (86)
Fremont		26.3 (78)	5.3 (15)		3.6 (6)		100.0 (1)		100.0 (1)
Greene		28.1 (73)	8.8 (44)		0.0 (60)		19.0 (73)		90.9 (49)
Grundy		30.8 (57)	23.1 (94)		4.5 (5)		42.9 (16)		100.0 (1)
Guthrie		48.9 (2)	4.4 (9)		1.4 (38)		9.1 (97)		73.9 (95)
Hamilton		34.9 (33)	23.3 (95)		2.4 (22)		17.6 (80)		79.6 (89)
Hancock		37.0 (23)	22.2 (93)		0.0 (60)		20.4 (68)		83.3 (81)
Hardin		39.3 (15)	6.6 (26)		0.0 (60)		26.5 (36)		94.0 (27)

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(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.

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WIC PNSS & PedNSS

Table 6B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Behavioral Indicators by County

Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Harrison	29.2 (66)	10.8 (60)		1.1 (42)		30.8 (25)		66.7 (99)	
Henry	27.7 (75)	7.6 (38)		2.8 (13)		20.7 (65)		87.6 (65)	
Howard	41.5 (13)	9.4 (47)		0.0 (60)		21.1 (60)		87.9 (63)	
Humboldt	33.3 (36)	19.0 (88)		3.0 (12)		28.1 (32)		89.1 (59)	
Ida	36.1 (26)	13.1 (69)		2.8 (13)		21.7 (54)		91.3 (45)	
Iowa	42.9 (7)	0.0 (1)		3.2 (11)		16.7 (82)		71.4 (98)	
Jackson	36.1 (26)	5.6 (19)		0.0 (60)		25.6 (39)		86.4 (72)	
Jasper	27.0 (76)	8.1 (39)		1.5 (36)		16.5 (86)		90.1 (55)	
Jefferson	27.8 (74)	11.1 (61)		0.0 (60)		22.2 (50)		81.8 (84)	
Johnson	17.2 (98)	19.6 (89)		1.7 (34)		20.8 (64)		88.7 (61)	
Jones	31.3 (51)	6.0 (21)		1.2 (40)		28.6 (30)		92.5 (38)	
Keokuk	26.3 (78)	5.3 (15)		3.3 (9)		16.7 (82)		100.0 (1)	
Kossuth	44.0 (5)	9.9 (53)		1.0 (45)		21.1 (60)		97.8 (13)	
Lee	25.2 (84)	5.3 (15)		0.7 (55)		19.7 (71)		94.8 (22)	
Linn	25.9 (82)	10.4 (57)		0.9 (47)		15.7 (89)		90.3 (52)	
Louisa	25.0 (86)	13.9 (72)		0.0 (60)		21.9 (53)		88.2 (62)	
Lucas	32.3 (42)	9.7 (51)		0.0 (60)		34.6 (21)		73.1 (97)	
Lyon	26.7 (77)	6.7 (27)		0.0 (60)		33.3 (23)		100.0 (1)	
Madison	35.1 (32)	16.2 (78)		2.2 (26)		28.6 (30)		75.0 (93)	
Mahaska	33.0 (38)	6.4 (24)		2.5 (21)		18.2 (76)		91.8 (43)	
Marion	28.5 (72)	18.2 (86)		1.3 (39)		24.0 (47)		89.3 (58)	

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WIC PNSS & PedNSS

Table 6B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Behavioral Indicators by County

Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Marshall		38.9 (17)	7.2 (32)		0.9 (47)		12.5 (95)		85.2 (76)
Mills		29.3 (64)	4.9 (13)		4.6 (4)		16.7 (82)		75.0 (93)
Mitchell		34.5 (35)	12.7 (67)		0.0 (60)		21.6 (56)		91.1 (46)
Monona		25.0 (86)	5.8 (20)		0.0 (60)		20.0 (69)		100.0 (1)
Monroe		31.8 (47)	18.2 (86)		0.0 (60)		35.5 (20)		93.8 (29)
Montgomery		32.1 (43)	4.8 (11)		0.0 (60)		26.3 (38)		73.3 (96)
Muscatine		35.4 (31)	7.1 (29)		1.8 (32)		16.3 (87)		92.3 (40)
O'Brien		32.6 (40)	4.3 (7)		1.9 (29)		55.8 (5)		94.6 (23)
Osceola		23.1 (92)	3.8 (6)		0.0 (60)		52.4 (8)		92.9 (36)
Page		44.0 (5)	4.4 (9)		3.5 (8)		39.1 (17)		93.0 (35)
Palo Alto		29.2 (66)	14.6 (74)		0.0 (60)		59.5 (4)		96.0 (16)
Plymouth		24.4 (91)	7.0 (28)		0.0 (60)		24.2 (45)		97.0 (15)
Pocahontas		31.6 (49)	10.5 (59)		0.0 (60)		44.4 (15)		85.0 (78)
Polk		29.4 (63)	12.4 (65)		1.0 (45)		13.7 (92)		87.3 (67)
Pottawatta		36.1 (26)	7.3 (33)		0.7 (55)		19.4 (72)		87.0 (71)
Poweshiek		32.6 (40)	18.0 (85)		2.8 (13)		18.8 (74)		85.7 (74)
Ringgold		39.1 (16)	4.3 (7)		3.6 (6)		27.3 (35)		100.0 (1)
Sac		30.0 (60)	10.0 (54)		2.7 (16)		22.2 (50)		80.0 (87)
Scott		32.1 (43)	12.5 (66)		2.3 (24)		17.4 (81)		92.0 (42)
Shelby		35.6 (30)	5.1 (14)		0.0 (60)		83.3 (2)		100.0 (1)
Sioux		24.7 (89)	9.8 (52)		1.9 (29)		15.3 (90)		92.2 (41)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(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.

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

WIC PNSS & PedNSS

Table 6B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Maternal Behavioral Indicators by County

Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2,3)									
County	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy ⁽⁴⁾		During Pregnancy ⁽⁵⁾	
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Story	31.0 (54)		14.2 (73)		1.5 (36)		21.7 (54)		87.5 (66)
Tama	31.3 (51)		11.3 (62)		5.7 (2)		21.2 (58)		89.9 (57)
Taylor	30.3 (59)		6.1 (22)		0.0 (60)		45.5 (14)		81.8 (84)
Union	46.1 (3)		7.1 (29)		2.7 (16)		26.4 (37)		93.2 (34)
Van Buren	41.7 (11)		0.0 (1)		0.0 (60)		0.0 (98)		100.0 (1)
Wapello	31.0 (54)		26.7 (98)		2.6 (20)		21.1 (60)		75.9 (92)
Warren	24.7 (89)		17.1 (83)		0.0 (60)		20.6 (66)		91.1 (46)
Washington	21.0 (94)		12.9 (68)		1.1 (42)		24.0 (47)		90.3 (52)
Wayne	37.1 (22)		2.9 (4)		0.0 (60)		29.0 (29)		93.5 (30)
Webster	30.6 (58)		21.8 (92)		2.2 (26)		16.1 (88)		79.5 (90)
Winnebago	32.1 (43)		9.4 (47)		0.8 (51)		17.8 (79)		87.2 (68)
Winneshiek	20.8 (95)		15.1 (76)		0.0 (60)		21.2 (58)		90.6 (50)
Woodbury	29.8 (61)		8.5 (42)		0.8 (51)		25.1 (40)		91.5 (44)
Worth	41.7 (11)		25.0 (97)		0.0 (60)		25.0 (41)		100.0 (1)
Wright	16.1 (99)		24.2 (96)		2.7 (16)		12.7 (94)		78.8 (91)
Iowa	30.9		12.6		1.4		20.6		88.7

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

(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.

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

WIC PNSS & PedNSS

Table 7B

2017 - 2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Adair		30.6 (39)		18.6 (44)		21.4 (69)		2.1 (9)		0.0 (1)
Adams		52.2 (97)		43.5 (99)		7.7 (89)		17.4 (95)		4.5 (79)
Allamakee		15.9 (11)		11.0 (16)		27.3 (40)		8.5 (58)		7.4 (88)
Appanoose		39.6 (73)		28.6 (87)		0.0 (94)		15.2 (89)		0.0 (1)
Audubon		46.4 (89)		28.1 (86)		35.7 (23)		14.3 (83)		9.4 (92)
Benton		29.0 (31)		8.3 (10)		20.0 (75)		12.7 (78)		0.0 (1)
Blackhawk		34.1 (48)		19.5 (51)		25.2 (51)		8.7 (60)		2.0 (51)
Boone		50.0 (96)		34.8 (96)		22.2 (64)		9.1 (62)		0.0 (1)
Bremer		26.7 (25)		12.5 (21)		22.2 (64)		6.7 (37)		0.0 (1)
Buchanan		40.9 (78)		33.3 (95)		7.7 (89)		9.2 (65)		0.0 (1)
Buena Vist		10.3 (2)		3.7 (3)		65.5 (1)		3.8 (14)		4.4 (78)
Butler		29.2 (32)		19.0 (46)		21.4 (69)		2.1 (9)		1.9 (49)
Calhoun		46.5 (90)		26.4 (83)		23.8 (58)		16.3 (93)		1.9 (49)
Carroll		41.9 (82)		21.4 (60)		38.6 (12)		7.5 (45)		1.5 (43)
Cass		47.1 (91)		32.7 (94)		22.5 (62)		8.0 (50)		0.0 (1)
Cedar		61.5 (99)		40.0 (98)		12.5 (84)		7.7 (47)		6.7 (87)
Cerro Gord		35.9 (58)		22.5 (68)		23.7 (60)		7.9 (49)		1.5 (43)
Cherokee		39.5 (72)		23.5 (72)		14.8 (81)		8.6 (59)		4.5 (79)
Chickasaw		33.3 (46)		24.3 (76)		18.2 (78)		17.1 (94)		2.9 (66)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

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

WIC PNSS & PedNSS

Table 7B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators ^(2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽⁴⁾		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)			Number	% (rank)	Number	% (rank)
Clarke		29.8 (34)		20.5 (55)		24.0 (57)		8.4 (56)		2.7 (62)
Clay		40.0 (75)		17.0 (38)		36.1 (22)		11.9 (74)		9.8 (93)
Clayton		39.0 (68)		18.3 (42)		41.9 (9)		21.0 (97)		16.3 (98)
Clinton		40.2 (77)		23.0 (70)		25.8 (49)		5.1 (23)		2.1 (54)
Crawford		10.8 (4)		6.8 (6)		16.0 (80)		1.2 (6)		0.0 (1)
Dallas		17.8 (12)		7.8 (9)		38.5 (13)		1.6 (8)		0.0 (1)
Davis		36.4 (59)		20.0 (53)		50.0 (4)		9.1 (62)		12.5 (94)
Decatur		30.2 (37)		11.4 (18)		8.3 (87)		7.1 (40)		9.1 (91)
Delaware		31.3 (42)		19.2 (48)		6.3 (91)		0.0 (1)		0.0 (1)
Des Moines		44.1 (87)		22.1 (66)		36.8 (20)		13.7 (81)		3.7 (74)
Dickinson		26.5 (23)		15.7 (32)		22.2 (64)		14.3 (83)		20.0 (99)
Dubuque		14.0 (6)		8.3 (10)		26.2 (46)		0.1 (4)		0.0 (1)
Emmet		21.6 (16)		13.8 (26)		25.0 (53)		14.7 (87)		8.7 (90)
Fayette		38.0 (64)		19.4 (50)		28.2 (37)		23.7 (98)		15.2 (97)
Floyd		30.6 (39)		21.4 (60)		25.0 (53)		4.9 (22)		0.6 (31)
Franklin		20.6 (15)		12.9 (23)		23.8 (58)		1.0 (5)		0.8 (33)
Fremont		15.0 (9)		26.7 (84)		0.0 (94)		10.0 (67)		0.0 (1)
Greene		43.3 (85)		20.5 (55)		40.7 (10)		8.3 (53)		2.7 (62)
Grundy		14.3 (8)		0.0 (1)		0.0 (94)		7.1 (40)		0.0 (1)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

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

WIC PNSS & PedNSS

Table 7B

2017 - 2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Guthrie		36.7 (61)		19.7 (52)		21.4 (69)		10.2 (68)		4.8 (82)
Hamilton		34.0 (47)		16.0 (33)		45.5 (7)		8.3 (53)		0.6 (31)
Hancock		26.3 (22)		15.5 (31)		26.7 (44)		9.1 (62)		0.0 (1)
Hardin		35.8 (57)		23.9 (74)		26.1 (47)		16.2 (92)		1.6 (46)
Harrison		28.8 (30)		25.0 (77)		11.8 (86)		4.5 (19)		0.0 (1)
Henry		34.1 (48)		17.3 (39)		38.1 (15)		7.3 (43)		0.0 (1)
Howard		35.0 (51)		20.0 (53)		33.3 (27)		12.9 (79)		5.6 (85)
Humboldt		39.4 (71)		20.9 (57)		50.0 (4)		6.1 (32)		3.3 (68)
Ida		31.7 (44)		29.4 (91)		5.3 (93)		8.2 (51)		3.9 (75)
Iowa		35.7 (56)		36.8 (97)		28.6 (36)		7.1 (40)		0.0 (1)
Jackson		42.7 (84)		23.1 (71)		26.7 (44)		5.5 (27)		2.6 (60)
Jasper		32.4 (45)		22.2 (67)		22.4 (63)		8.3 (53)		2.6 (60)
Jefferson		38.1 (65)		19.2 (48)		12.5 (84)		9.5 (66)		0.0 (1)
Johnson		13.6 (5)		6.4 (5)		30.6 (32)		3.8 (14)		0.5 (30)
Jones		40.0 (75)		21.6 (62)		21.4 (69)		4.3 (17)		3.6 (72)
Keokuk		40.9 (78)		29.4 (91)		22.2 (64)		4.3 (17)		0.0 (1)
Kossuth		30.5 (38)		21.0 (58)		27.6 (39)		6.5 (35)		1.0 (35)
Lee		44.2 (88)		25.5 (79)		27.7 (38)		15.4 (90)		2.4 (58)
Linn		29.6 (33)		16.6 (36)		34.8 (26)		7.0 (39)		1.3 (39)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

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

WIC PNSS & PedNSS

Table 7B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators ^(2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽⁴⁾		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	% (rank)	Number	% (rank)			Number	% (rank)	Number	% (rank)
Louisa		5.3 (1)		5.1 (4)		0.0 (94)		5.3 (25)		0.0 (1)
Lucas		26.5 (23)		25.7 (80)		33.3 (27)		2.9 (12)		0.0 (1)
Lyon		36.4 (59)		13.9 (27)		27.3 (40)		3.0 (13)		0.0 (1)
Madison		39.0 (68)		18.8 (45)		27.3 (40)		12.2 (76)		3.3 (68)
Mahaska		41.3 (80)		21.8 (65)		24.3 (56)		11.5 (73)		3.5 (71)
Marion		37.6 (63)		26.2 (81)		18.6 (77)		8.2 (51)		2.7 (62)
Marshall		15.0 (9)		10.7 (14)		24.5 (55)		5.1 (23)		1.2 (38)
Mills		34.8 (50)		10.3 (13)		27.3 (40)		2.2 (11)		0.0 (1)
Mitchell		24.6 (19)		15.4 (30)		50.0 (4)		7.3 (43)		1.5 (43)
Monona		43.4 (86)		29.3 (90)		21.1 (73)		5.7 (29)		0.0 (1)
Monroe		42.5 (83)		28.6 (87)		5.9 (92)		13.6 (80)		2.0 (51)
Montgomery		52.8 (98)		24.2 (75)		25.6 (50)		6.7 (37)		0.0 (1)
Muscatine		27.5 (27)		16.4 (35)		35.0 (25)		12.2 (76)		3.3 (68)
O'Brien		28.1 (28)		12.2 (19)		53.6 (3)		14.3 (83)		5.5 (84)
Osceola		17.9 (13)		7.1 (8)		60.0 (2)		10.7 (69)		4.7 (81)
Page		47.4 (92)		27.1 (85)		16.3 (79)		11.3 (72)		2.2 (55)
Palo Alto		35.3 (55)		22.6 (69)		43.8 (8)		13.7 (81)		14.5 (95)
Plymouth		23.3 (18)		10.7 (14)		36.8 (20)		0.0 (1)		1.3 (39)
Pocahontas		38.1 (65)		16.0 (33)		37.5 (17)		4.8 (21)		8.0 (89)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

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

WIC PNSS & PedNSS

Table 7B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators ^(2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽⁴⁾	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Polk		23.2 (17)		15.2 (29)		22.2 (64)		5.9 (30)		2.0 (51)
Pottawatta		37.2 (62)		23.7 (73)		23.1 (61)		6.1 (32)		1.1 (37)
Poweshiek		31.4 (43)		18.4 (43)		31.0 (31)		16.1 (91)		5.0 (83)
Ringgold		47.8 (93)		26.3 (82)		20.0 (75)		17.4 (95)		0.0 (1)
Sac		48.4 (94)		28.9 (89)		37.5 (17)		6.5 (35)		2.7 (62)
Scott		30.6 (39)		17.4 (40)		20.3 (74)		11.2 (71)		3.6 (72)
Shelby		39.1 (70)		21.2 (59)		26.1 (47)		6.3 (34)		0.0 (1)
Sioux		10.7 (3)		7.0 (7)		29.6 (34)		1.5 (7)		1.0 (35)
Story		25.0 (20)		13.5 (24)		36.9 (19)		8.8 (61)		1.3 (39)
Tama		19.8 (14)		11.1 (17)		32.1 (29)		5.3 (25)		4.0 (76)
Taylor		48.5 (95)		13.5 (24)		38.5 (13)		5.9 (30)		2.9 (66)
Union		35.0 (51)		25.0 (77)		13.7 (83)		14.6 (86)		1.4 (42)
Van Buren		41.7 (81)		0.0 (1)		0.0 (94)		33.3 (99)		0.0 (1)
Wapello		26.9 (26)		16.9 (37)		13.9 (82)		10.7 (69)		2.4 (58)
Warren		35.0 (51)		19.1 (47)		30.4 (33)		12.1 (75)		4.0 (76)
Washington		29.9 (35)		17.8 (41)		8.3 (87)		7.5 (45)		2.2 (55)
Wayne		28.6 (29)		31.0 (93)		0.0 (94)		0.0 (1)		6.5 (86)
Webster		39.6 (73)		21.7 (63)		38.1 (15)		8.4 (56)		2.3 (57)
Winnebago		30.0 (36)		12.7 (22)		35.5 (24)		3.8 (14)		0.8 (33)

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

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

WIC PNSS & PedNSS

Table 7B

2017 - 2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Smoking Indicators by County

Combined 3 Years

Comparison of Smoking Indicators (2,3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (rank)	Number	% (rank)		Number	% (rank)	Number	% (rank)	
Winnesheik		35.2 (54)		21.7 (63)		31.8 (30)		15.1 (88)		14.7 (96)
Woodbury		25.6 (21)		13.9 (27)		25.1 (52)		5.5 (27)		1.7 (47)
Worth		38.5 (67)		9.1 (12)		40.0 (11)		7.7 (47)		0.0 (1)
Wright		14.0 (6)		12.2 (19)		29.6 (34)		4.6 (20)		1.7 (47)
Iowa		28.5		16.8		27.0		7.4		2.2

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

(2) Excludes records with unknown data or errors.

(3) Rank compares one County's rate to other Counties. Rank 1 = best rate.

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

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

WIC PNSS & PedNSS

Table 8B

2017 - 2019 Pregnancy Nutrition Surveillance (1)

Iowa

Comparison of Infant Health Indicators by County

Combined 3 Years

Comparison of Infant Health Indicators (2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)	High (5)		(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Adair	10.9 (93)	10.9 (74)		9.1 (36)		4.0 (76)		65.6 (70)	
Adams	0.0 (1)	9.4 (63)		17.9 (98)		0.0 (1)		68.8 (58)	
Allamakee	5.3 (26)	6.3 (19)		7.9 (23)		3.3 (64)		75.3 (29)	
Appanoose	8.8 (74)	7.4 (32)		15.5 (94)		4.1 (77)		54.4 (96)	
Audubon	11.4 (94)	2.9 (3)		8.8 (30)		3.2 (61)		77.1 (22)	
Benton	3.4 (7)	14.6 (95)		8.3 (29)		1.3 (25)		69.7 (52)	
Blackhawk	8.1 (62)	7.9 (36)		9.9 (51)		3.5 (71)		70.1 (51)	
Boone	8.3 (67)	12.5 (89)		3.6 (5)		9.4 (98)		58.3 (88)	
Bremer	4.8 (19)	11.1 (77)		10.9 (64)		6.1 (92)		76.2 (25)	
Buchanan	6.2 (34)	11.3 (78)		5.9 (9)		1.3 (25)		61.9 (82)	
Buena Vist	7.2 (50)	9.0 (56)		10.4 (61)		3.4 (66)		65.7 (68)	
Butler	11.7 (96)	8.3 (45)		9.8 (48)		4.3 (78)		80.0 (12)	
Calhoun	15.1 (99)	11.3 (78)		14.0 (85)		9.3 (97)		58.5 (87)	
Carroll	6.8 (46)	7.7 (34)		10.2 (56)		2.2 (38)		70.5 (48)	
Cass	7.4 (53)	10.7 (73)		10.9 (64)		2.8 (52)		63.9 (77)	
Cedar	0.0 (1)	0.0 (1)		5.0 (8)		0.0 (1)		54.5 (95)	
Cerro Gord	6.5 (40)	9.2 (61)		10.0 (52)		3.3 (64)		67.8 (64)	
Cherokee	9.8 (84)	6.3 (19)		6.7 (14)		8.2 (96)		77.7 (20)	
Chickasaw	5.5 (29)	10.9 (74)		7.8 (20)		4.3 (78)		74.5 (32)	

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(4) <2500 g.

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WIC PNSS & PedNSS

Table 8B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Infant Health Indicators by County

Combined 3 Years

Comparison of Infant Health Indicators ^(2,3)										
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed		
	Low (4)		High (5)	(6)		(7)				
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	
Clarke	8.1	(62)	6.5	(23)	13.3	(79)	4.7	(82)	73.2	(36)
Clay	3.9	(11)	8.3	(45)	8.1	(25)	0.0	(1)	74.7	(31)
Clayton	6.1	(33)	8.2	(42)	3.5	(4)	2.4	(44)	81.6	(8)
Clinton	12.1	(98)	8.5	(50)	14.3	(87)	3.4	(66)	69.3	(54)
Crawford	9.2	(78)	6.2	(15)	14.8	(91)	1.0	(21)	65.1	(72)
Dallas	6.3	(35)	8.9	(54)	8.8	(30)	3.2	(61)	80.0	(12)
Davis	0.0	(1)	0.0	(1)	21.4	(99)	0.0	(1)	57.1	(92)
Decatur	9.2	(78)	6.2	(15)	2.1	(3)	2.2	(38)	64.6	(75)
Delaware	11.7	(96)	10.0	(68)	9.8	(48)	6.5	(93)	46.7	(99)
Des Moines	7.3	(52)	9.3	(62)	9.0	(35)	3.5	(71)	59.1	(86)
Dickinson	3.8	(8)	9.6	(66)	13.7	(82)	0.0	(1)	82.7	(4)
Dubuque	6.4	(38)	8.1	(39)	6.6	(13)	2.9	(54)	55.5	(94)
Emmet	9.4	(80)	9.4	(63)	10.3	(58)	5.3	(88)	68.0	(63)
Fayette	6.4	(38)	11.3	(78)	9.6	(44)	2.9	(54)	70.9	(47)
Floyd	8.9	(75)	11.7	(84)	13.1	(77)	5.3	(88)	65.7	(68)
Franklin	4.0	(12)	12.0	(87)	14.7	(90)	0.0	(1)	71.4	(42)
Fremont	0.0	(1)	3.4	(5)	11.1	(66)	0.0	(1)	72.4	(39)
Greene	5.4	(27)	8.1	(39)	9.6	(44)	1.5	(30)	70.3	(50)
Grundy	4.2	(16)	12.5	(89)	15.0	(93)	0.0	(1)	62.5	(80)

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WIC PNSS & PedNSS

Table 8B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Infant Health Indicators by County

Combined 3 Years

Comparison of Infant Health Indicators ^(2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Guthrie		7.8 (56)	6.3 (19)		6.5 (11)		3.4 (66)		78.1 (17)
Hamilton		9.6 (82)	5.1 (11)		13.8 (83)		5.1 (87)		82.1 (5)
Hancock		1.4 (6)	6.8 (27)		4.9 (6)		0.0 (1)		71.2 (43)
Hardin		9.9 (86)	6.2 (15)		15.5 (94)		1.7 (31)		69.1 (57)
Harrison		10.2 (90)	8.2 (42)		9.6 (44)		4.7 (82)		72.4 (39)
Henry		9.7 (83)	9.1 (58)		8.1 (25)		4.8 (85)		73.5 (34)
Howard		10.3 (91)	13.2 (91)		11.7 (74)		3.8 (75)		77.9 (19)
Humboldt		10.6 (92)	9.1 (58)		11.5 (73)		3.7 (74)		84.8 (1)
Ida		6.8 (46)	4.1 (7)		17.1 (97)		0.0 (1)		72.6 (37)
Iowa		10.0 (87)	13.3 (92)		7.1 (17)		7.7 (95)		76.7 (23)
Jackson		7.9 (59)	7.9 (36)		14.5 (89)		3.1 (60)		57.3 (91)
Jasper		8.2 (64)	11.8 (85)		9.7 (47)		2.6 (48)		68.2 (62)
Jefferson		5.2 (25)	10.3 (70)		11.1 (66)		2.1 (36)		57.6 (89)
Johnson		11.5 (95)	7.1 (29)		10.1 (54)		4.5 (80)		84.6 (2)
Jones		5.8 (31)	4.7 (9)		7.6 (19)		1.4 (28)		75.6 (27)
Keokuk		3.8 (8)	11.5 (82)		16.7 (96)		0.0 (1)		69.2 (55)
Kossuth		6.7 (45)	17.1 (97)		9.5 (41)		2.4 (44)		67.0 (66)
Lee		8.4 (70)	6.1 (13)		8.2 (27)		5.3 (88)		48.8 (97)
Linn		7.4 (53)	9.0 (56)		9.2 (38)		2.9 (54)		68.8 (58)

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WIC PNSS & PedNSS

Table 8B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Infant Health Indicators by County

Combined 3 Years

Comparison of Infant Health Indicators ^(2,3)									
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (4)		High (5)	(6)		(7)			
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)
Louisa		9.5 (81)	9.5 (65)		10.3 (58)		5.7 (91)		65.1 (72)
Lucas		4.0 (12)	12.0 (87)		11.8 (75)		0.0 (1)		62.0 (81)
Lyon		7.8 (56)	7.8 (35)		14.9 (92)		5.0 (86)		74.5 (32)
Madison		5.1 (23)	8.5 (50)		8.9 (34)		0.0 (1)		71.2 (43)
Mahaska		8.5 (72)	8.5 (50)		9.5 (41)		2.9 (54)		61.5 (83)
Marion		7.2 (50)	8.3 (45)		8.8 (30)		2.5 (47)		67.5 (65)
Marshall		6.6 (43)	8.3 (45)		8.2 (27)		3.0 (58)		72.1 (41)
Mills		4.6 (18)	6.2 (15)		7.9 (23)		1.7 (31)		69.2 (55)
Mitchell		7.7 (55)	6.4 (22)		6.5 (11)		0.0 (1)		75.6 (27)
Monona		3.8 (8)	3.8 (6)		6.8 (16)		1.4 (28)		60.3 (84)
Monroe		4.9 (21)	11.5 (82)		9.1 (36)		0.0 (1)		65.6 (70)
Montgomery		4.9 (21)	10.6 (72)		13.4 (80)		0.0 (1)		68.3 (61)
Muscatine		6.5 (40)	7.2 (31)		11.2 (70)		2.4 (44)		76.5 (24)
O'Brien		6.5 (40)	6.5 (23)		14.2 (86)		1.1 (24)		80.6 (10)
Osceola		4.8 (19)	11.9 (86)		11.8 (75)		3.4 (66)		81.0 (9)
Page		4.1 (15)	4.9 (10)		9.3 (40)		2.0 (33)		63.1 (79)
Palo Alto		9.8 (84)	6.6 (26)		10.2 (56)		2.3 (42)		70.5 (48)
Plymouth		6.9 (48)	5.3 (12)		14.3 (87)		1.0 (21)		81.8 (6)
Pocahontas		4.0 (12)	16.0 (96)		13.6 (81)		0.0 (1)		80.0 (12)

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WIC PNSS & PedNSS

Table 8B

2017 - 2019 Pregnancy Nutrition Surveillance ⁽¹⁾

Iowa

Comparison of Infant Health Indicators by County

Combined 3 Years

Compar son of Infant Health Indicators ^(2,3)										
County	Birthweight			Preterm		Full Term LBW		Ever Breastfed		
	Low (4)		High (5)	(6)		(7)				
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	
Polk	8.4	(70)	8.2	(42)	10.0	(52)	3.5	(71)	78.6	(16)
Pottawatta	8.3	(67)	7.5	(33)	11.2	(70)	2.7	(50)	75.3	(29)
Poweshiek	5.1	(23)	6.8	(27)	13.9	(84)	2.3	(42)	71.2	(43)
Ringgold	10.0	(87)	3.3	(4)	0.0	(1)	10.7	(99)	63.3	(78)
Sac	8.3	(67)	13.9	(94)	11.1	(66)	0.0	(1)	55.6	(93)
Scott	10.1	(89)	7.1	(29)	11.1	(66)	4.7	(82)	64.8	(74)
Shelby	5.4	(27)	4.3	(8)	10.1	(54)	1.3	(25)	64.1	(76)
Sioux	5.7	(30)	8.8	(53)	9.2	(38)	2.8	(52)	83.3	(3)
Story	8.2	(64)	10.0	(68)	9.8	(48)	3.0	(58)	80.4	(11)
Tama	7.9	(59)	11.0	(76)	9.5	(41)	4.5	(80)	69.7	(52)
Taylor	5.8	(31)	13.5	(93)	4.9	(6)	2.6	(48)	48.1	(98)
Union	7.9	(59)	6.1	(13)	10.7	(62)	3.2	(61)	68.4	(60)
Van Buren	0.0	(1)	26.7	(99)	0.0	(1)	0.0	(1)	60.0	(85)
Wapello	6.3	(35)	7.9	(36)	8.8	(30)	2.2	(38)	73.3	(35)
Warren	8.2	(64)	9.7	(67)	11.4	(72)	2.2	(38)	75.8	(26)
Washington	4.3	(17)	6.5	(23)	7.8	(20)	0.0	(1)	81.7	(7)
Wayne	8.5	(72)	19.1	(98)	7.5	(18)	2.7	(50)	57.4	(90)
Webster	7.1	(49)	8.1	(39)	7.8	(20)	2.1	(36)	72.5	(38)
Winnebago	8.9	(75)	11.4	(81)	10.7	(62)	1.0	(21)	65.9	(67)

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WIC PNSS & PedNSS

Table 8B

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Iowa

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	Low (4)		High (5)	(6)		(7)				
	Number	% (rank)	% (rank)	Number	% (rank)	Number	% (rank)	Number	% (rank)	
Winneshiek	7.8	(56)	10.4	(71)	6.3	(10)	3.4	(66)	79.2	(15)
Woodbury	6.6	(43)	8.3	(45)	10.3	(58)	2.0	(33)	71.1	(46)
Worth	9.1	(77)	9.1	(58)	6.7	(14)	7.1	(94)	77.3	(21)
Wright	6.3	(35)	8.9	(54)	13.1	(77)	2.0	(33)	78.0	(18)
Iowa	7.8		8.3		10.0		3.1		67.7	

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