Iowa Environmental Public Health Tracking Network

Nationally Consistent Data Measures for Vital Statistics

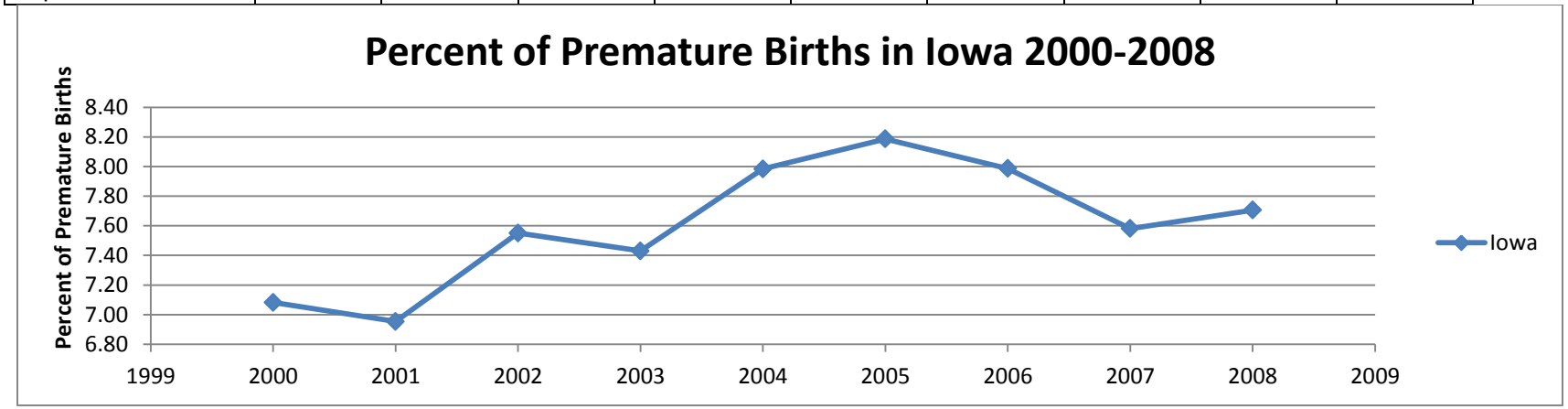
Premature Births

A premature birth is a birth that occurs before the 37th week of pregnancy. Prematurity is the leading cause of death among newborn babies. Being born premature is also a serious health risk for a baby. Some babies will require special care and spend weeks or months hospitalized in a neonatal intensive care unit. The NCDM for prematurity includes all singleton births.

Presented below are data that represent the nationally consistent data measures related to Premature Births:

1. Annual Percent of premature births at the State level.

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008
% premature births	7.08	6.95	7.55	7.43	7.98	8.19	7.99	7.58	7.71



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Iowa Environmental Public Health Tracking Network

2. Annual Percent of premature births at the County level displayed by Public Health Region.

Region 1

Region 1: Percent of Premature Births 2000-2008									
County	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Boone	4.79	7.86	6.20	7.69	8.06	4.55	5.18	8.77	8.53
Calhoun	3.09	6.45	7.07	3.66	6.19	11.22	7.41	9.80	8.79
Carroll	4.26	4.42	8.05	5.60	6.00	4.91	7.19	7.92	5.51
Dallas	7.33	7.33	7.11	7.07	6.70	6.91	5.63	6.50	7.92
Greene	11.24	5.36	6.82	7.41	10.00	2.30	5.74	8.60	9.71
Grundy	3.88	8.94	7.32	6.31	9.43	13.68	11.19	10.22	4.62
Hamilton	4.30	5.17	6.86	9.30	9.42	14.29	10.00	10.99	6.17
Hardin	7.54	6.47	7.53	6.50	11.86	12.94	8.25	9.60	5.16
Jasper	6.94	8.54	9.26	9.46	14.08	8.30	10.64	11.06	9.83
Marshall	6.83	5.13	7.57	8.75	7.46	8.91	8.25	7.22	8.09
Polk	7.20	7.69	7.88	7.57	7.71	8.33	8.77	7.78	8.25
Poweshiek	8.10	7.77	7.49	7.03	11.24	6.28	4.37	9.27	8.05
Story	4.52	5.70	5.13	6.90	6.34	9.13	9.21	6.83	5.62
Tama	8.98	6.47	7.98	6.90	6.99	10.57	7.27	8.21	7.46
Warren	7.44	9.88	7.37	6.13	7.92	9.56	10.30	8.75	9.67
Webster	6.44	7.22	5.63	8.69	7.68	6.09	5.56	7.57	8.60
State of Iowa	7.08	6.95	7.55	7.43	7.98	8.19	7.99	7.58	7.71

Iowa Environmental Public Health Tracking Network

Region 2

Region 2: Percent of Premature Births 2000-2008									
County	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Allamakee	5.77	6.75	5.62	2.99	8.54	6.57	5.50	4.02	7.57
Bremer	7.02	6.90	6.94	10.09	5.75	8.05	10.53	8.88	8.56
Butler	3.66	5.93	5.26	12.50	13.79	9.70	9.04	6.70	6.59
Cerro Gordo	7.36	6.74	7.90	6.02	10.04	7.99	6.53	7.71	8.22
Chickasaw	10.91	8.21	7.58	6.71	9.60	4.82	6.25	6.12	5.26
Emmet	8.20	8.94	13.28	8.05	10.48	10.53	8.57	9.60	8.00
Fayette	7.56	6.40	7.54	5.63	8.21	6.85	14.29	7.14	6.45
Floyd	7.18	6.08	8.77	8.33	5.64	6.25	10.09	2.87	8.12
Franklin	10.91	4.88	6.03	10.08	3.88	9.60	4.13	8.48	8.80
Hancock	6.40	6.40	7.34	4.76	9.91	4.08	10.69	3.82	5.22
Howard	5.56	8.49	6.54	10.00	5.13	6.30	9.02	7.25	7.58
Humboldt	8.08	8.55	5.56	11.11	4.35	7.08	8.40	9.43	8.08
Kossuth	5.10	5.41	4.38	6.21	8.28	7.34	8.54	5.59	8.05
Mitchell	4.80	7.43	14.05	5.88	16.36	5.04	7.08	7.00	3.15
Winnebago	5.38	7.44	6.25	8.65	10.53	6.03	6.87	2.22	8.40
Winneshiek	7.94	6.19	5.38	6.32	6.52	5.29	10.75	5.96	8.11
Worth	7.69	8.43	4.48	4.65	12.12	7.59	11.63	8.45	5.95
Wright	3.14	3.38	5.37	4.07	6.90	8.07	7.78	9.14	7.78
State of Iowa	7.08	6.95	7.55	7.43	7.98	8.19	7.99	7.58	7.71

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Iowa Environmental Public Health Tracking Network

Region 3

Region 3: Percent of Premature Births 2000-2008									
County	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Buena Vista	7.14	6.47	7.44	8.50	8.85	8.62	8.20	7.75	7.29
Cherokee	9.09	8.55	9.73	8.70	7.34	7.48	4.27	10.40	10.38
Clay	8.00	6.63	9.19	10.43	5.34	11.22	7.96	6.31	6.51
Crawford	6.95	5.07	9.09	8.70	6.03	5.71	7.35	6.11	10.39
Dickinson	6.49	4.64	12.20	10.00	7.51	8.05	8.38	9.25	5.62
Ida	4.55	3.80	3.26	12.86	6.58	8.64	4.44	8.79	2.41
Lyon	3.14	2.27	9.27	6.88	6.62	3.70	6.51	4.91	4.35
Monona	9.38	7.21	13.33	9.68	6.80	10.11	7.63	3.30	7.29
Obrien	2.76	8.84	8.38	3.85	6.59	7.60	10.24	11.49	7.45
Osceola	5.80	12.86	5.63	4.94	10.26	10.14	4.41	9.09	10.53
Palo Alto	8.33	5.15	5.66	8.11	3.96	14.04	6.45	7.27	7.56
Plymouth	7.02	10.99	10.00	8.25	7.59	7.87	7.69	8.31	9.21
Pocahontas	9.59	8.47	8.75	9.84	5.41	3.66	5.88	2.78	6.10
Sac	7.75	9.57	8.14	5.45	6.84	3.57	11.11	6.54	6.06
Sioux	6.19	5.47	6.73	6.08	5.18	7.10	6.39	6.92	7.77
Woodbury	8.44	7.47	8.14	6.91	8.74	8.21	7.79	7.42	7.20
State of Iowa	7.08	6.95	7.55	7.43	7.98	8.19	7.99	7.58	7.71

Iowa Environmental Public Health Tracking Network

Region 4

Region 4: Percent of Premature Births 2000-2008									
County	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Adair	7.35	6.56	2.86	5.06	11.67	7.32	8.42	9.09	5.56
Adams	3.03	2.63	11.11	5.00	5.56	4.76	11.29	7.50	8.57
Audubon	6.38	5.36	6.52	7.14	4.55	13.70	5.45	11.54	2.47
Cass	5.77	5.88	7.75	11.11	14.48	7.93	8.61	6.59	5.52
Clarke	7.37	5.26	5.66	3.76	7.38	7.20	5.00	10.29	11.35
Decatur	3.03	10.98	6.02	1.10	6.93	9.28	8.42	9.62	6.09
Fremont	3.80	6.98	13.51	3.37	6.76	11.54	10.13	8.65	6.10
Guthrie	7.69	7.69	9.42	4.73	6.86	7.32	8.20	9.17	9.57
Harrison	8.74	6.96	8.28	10.00	9.45	10.24	10.06	9.90	7.22
Madison	9.04	7.06	4.90	7.87	9.47	13.66	7.11	4.21	9.13
Mills	6.45	6.98	8.18	12.42	11.49	6.01	9.09	8.29	8.28
Montgomery	8.09	10.53	13.95	10.81	11.29	7.75	5.93	6.82	8.40
Page	7.78	9.80	10.76	11.25	9.76	11.32	15.43	6.36	9.94
Pottawattamie	8.84	8.09	10.97	9.71	11.82	12.69	10.10	9.17	8.22
Ringgold	2.90	6.35	5.56	12.70	9.09	5.19	7.02	8.33	3.17
Shelby	10.96	4.59	5.63	11.11	8.18	9.09	6.19	6.98	4.46
Taylor	7.41	8.11	0.00	1.61	6.45	6.33	2.53	9.68	12.00
Union	4.00	6.15	9.09	4.29	5.07	6.94	6.06	4.91	9.27
State of Iowa	7.08	6.95	7.55	7.43	7.98	8.19	7.99	7.58	7.71

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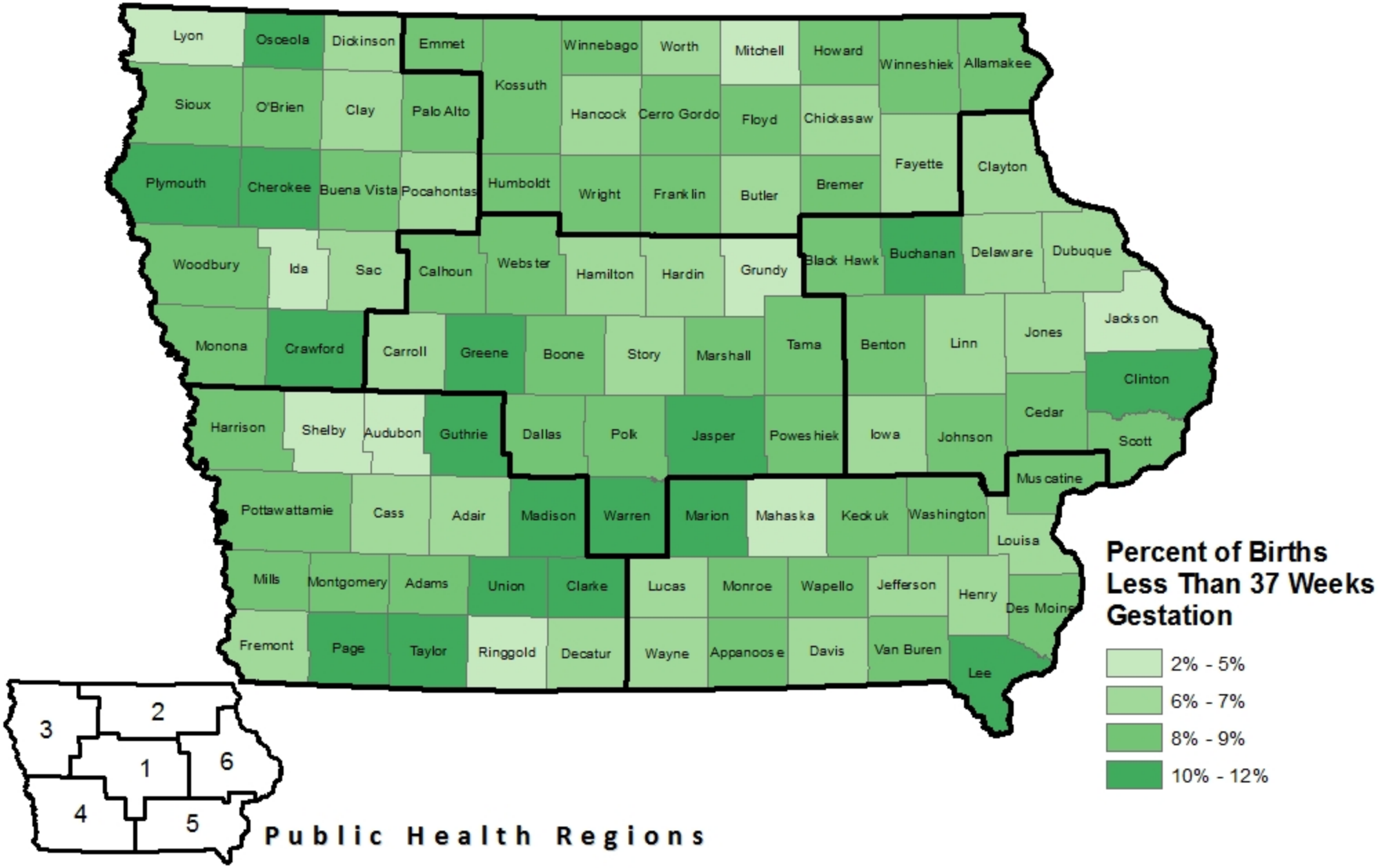
Iowa Environmental Public Health Tracking Network

Region 5

Region 5: Percent of Premature Births 2000-2008									
County	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Appanoose	5.71	10.71	6.16	7.43	11.51	9.88	12.00	7.32	8.19
Davis	6.50	5.13	2.63	7.26	7.89	6.67	5.22	2.38	5.84
Des Moines	5.91	4.98	6.09	8.13	6.69	7.96	9.65	7.62	8.13
Henry	8.59	9.95	6.36	6.32	5.76	7.86	6.45	7.14	6.50
Jefferson	11.19	4.76	6.90	6.94	10.81	7.88	5.00	6.62	5.23
Keokuk	2.82	9.32	7.86	5.47	4.65	8.80	7.58	10.71	7.89
Lee	7.98	4.77	8.04	7.35	6.17	5.88	7.59	7.67	9.51
Louisa	9.21	3.27	8.59	5.07	8.33	11.20	10.64	10.88	6.92
Lucas	7.21	3.92	9.35	11.11	2.25	5.93	7.83	7.20	6.86
Mahaska	6.27	5.61	5.71	6.20	10.65	8.19	8.79	6.62	4.41
Marion	5.96	8.65	6.14	7.11	5.03	9.90	8.07	7.94	9.16
Monroe	5.88	9.09	7.59	10.87	10.00	6.76	13.04	5.49	8.16
Muscatine	7.01	6.94	11.35	8.40	6.07	7.18	8.99	7.52	7.80
Van Buren	2.20	6.82	3.66	2.41	5.81	8.54	4.60	4.85	7.87
Wapello	9.80	5.32	7.78	8.35	9.31	9.67	7.39	8.54	7.49
Washington	9.44	6.65	8.50	6.56	8.90	5.16	8.97	8.06	7.12
Wayne	10.39	11.84	14.29	10.45	3.90	10.81	14.29	9.09	6.94
State of Iowa	7.08	6.95	7.55	7.43	7.98	8.19	7.99	7.58	7.71

Iowa Environmental Public Health Tracking Network

Region 6

Region 6: Percent of Premature Births 2000-2008									
County	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**
Benton	8.36	7.22	5.54	8.81	5.75	6.91	4.93	7.27	7.12
Black Hawk	7.28	9.06	7.89	8.43	10.65	9.16	8.84	8.29	7.98
Buchanan	8.78	6.16	9.66	8.04	9.15	9.38	8.59	6.58	11.74
Cedar	7.07	2.20	4.65	8.95	4.10	8.51	7.18	7.08	7.89
Clayton	5.35	5.16	8.09	3.43	3.02	6.45	8.18	5.13	6.50
Clinton	9.17	7.73	7.73	10.18	11.50	10.80	9.13	6.24	10.39
Delaware	7.01	5.94	5.39	3.37	7.57	5.94	7.21	3.11	6.40
Dubuque	4.99	6.03	4.64	6.41	6.64	4.66	7.20	6.37	6.26
Iowa	9.14	6.82	8.57	8.38	5.98	10.64	6.06	4.32	6.25
Jackson	7.26	5.56	6.13	5.61	8.11	9.38	5.43	9.77	4.81
Johnson	7.05	5.73	6.93	5.36	6.04	6.61	5.52	6.98	7.59
Jones	5.02	5.67	6.03	11.87	9.00	6.82	7.28	6.52	6.11
Linn	6.94	6.74	7.51	6.72	8.21	8.64	7.40	8.39	6.57
Scott	7.55	6.06	6.91	7.12	6.90	7.78	6.65	7.28	8.91
State of Iowa	7.08	6.95	7.55	7.43	7.98	8.19	7.99	7.58	7.71

Percent of Premature Births: Less Than 37 Weeks Gestation 2008