



Iowa Department of Public Health
Promoting and Protecting the Health of Iowans

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**BLOOD LEAD TESTING DATA FOR
COMMUNITY HEALTH NEEDS ASSESSMENT AND
HEALTH IMPROVEMENT PLAN
DECEMBER 2009**

The tables on the next three pages contain blood lead testing data for Iowa children who were born in 2002 and were tested for lead poisoning before the age of six years. The cut-off date for these data is 12/31/2008 since all children who were born in 2002 would have reached the age of six years by that date. The Iowa Department of Public Health recommends routine blood lead testing for all children under the age of six years, and Iowa law requires all children to have proof of one blood lead test before they start kindergarten.

The following data are shown for each county for all children, for children who were enrolled in Medicaid at any time before the age of six years, and for children who were not enrolled in Medicaid at any time before the age of six years:

- The number of children born in 2002.
- The number of children tested.
- The percentage of children tested.
- The number of children who were identified as lead-poisoned (blood lead level greater than or equal to 10 micrograms per deciliter ($\mu\text{g}/\text{dL}$)).
- The percentage of children who were identified as lead-poisoned (blood lead level greater than or equal to 10 $\mu\text{g}/\text{dL}$).

When evaluating the burden of childhood lead poisoning in a county, it is important to consider both the percentage of children who were tested for lead poisoning as well as the percentage of children identified as lead-poisoned. If the percentage of children tested for lead poisoning is low, then the percentage of children identified as lead-poisoned is not a representative measure of the burden of lead poisoning in a county.

IOWA CHILDREN BORN IN 2002 AND TESTED BEFORE THE AGE OF 6 YEARS(AS OF 12/31/2008)

COUNTY	ALL CHILDREN					CHILDREN ENROLLED IN MEDICAID					NON-MEDICAID CHILDREN				
	2002 BIRTHS	TESTED	% TESTED	>=10 µG/dl	%>=10 µG/dl	MEDICAID ENROLLED	TESTED	% TESTED	>=10 µG/dl	%>=10 µG/dl	NON MEDICAID	TESTED	% TESTED	>=10 µG/dl	%>=10 µG/dl
Adair	74	55	74.3	3	5.5	34	16	47.1	1	6.3	40	39	97.5	2	5.1
Adams	49	35	71.4	1	2.9	33	21	63.6	1	4.8	16	14	87.5	0	0.0
Allamakee	186	181	97.3	12	6.6	138	133	96.4	10	7.5	48	48	100.0	2	4.2
Appanoose	154	96	62.3	7	7.3	109	65	59.6	6	9.2	45	31	68.9	1	3.2
Audubon	48	45	93.8	5	11.1	33	30	90.9	5	16.7	15	15	100.0	0	0.0
Benton	303	238	78.5	20	8.4	138	114	82.6	15	13.2	165	124	75.2	5	4.0
Black Hawk	1602	1487	92.8	99	6.7	1094	979	89.5	88	9.0	508	508	100.0	11	2.2
Boone	290	263	90.7	16	6.1	137	121	88.3	12	9.9	153	142	92.8	4	2.8
Bremer	255	244	95.7	9	3.7	114	103	90.4	5	4.9	141	141	100.0	4	2.8
Buchanan	304	235	77.3	13	5.5	133	104	78.2	11	10.6	171	131	76.6	2	1.5
Buena Vista	255	193	75.7	6	3.1	250	188	75.2	6	3.2	5	5	100.0	0	0.0
Butler	160	135	84.4	6	4.4	90	68	75.6	4	5.9	70	67	95.7	2	3.0
Calhoun	99	96	97.0	1	1.0	57	54	94.7	1	1.9	42	42	100.0	0	0.0
Carroll	240	179	74.6	10	5.6	103	84	81.6	6	7.1	137	95	69.3	4	4.2
Cass	146	118	80.8	5	4.2	107	79	73.8	2	2.5	39	39	100.0	3	7.7
Cedar	184	164	89.1	7	4.3	90	70	77.8	5	7.1	94	94	100.0	2	2.1
Cerro Gordo	503	484	96.2	14	2.9	342	323	94.4	10	3.1	161	161	100.0	4	2.5
Cherokee	115	94	81.7	12	12.8	74	64	86.5	11	17.2	41	30	73.2	1	3.3
Chickasaw	134	117	87.3	6	5.1	72	55	76.4	5	9.1	62	62	100.0	1	1.6
Clarke	110	95	86.4	7	7.4	73	58	79.5	3	5.2	37	37	100.0	4	10.8
Clay	189	164	86.8	4	2.4	135	110	81.5	4	3.6	54	54	100.0	0	0.0
Clayton	176	146	83.0	4	2.7	100	90	90.0	3	3.3	76	56	73.7	1	1.8
Clinton	593	583	98.3	29	5.0	438	428	97.7	22	5.1	155	155	100.0	7	4.5
Crawford	218	193	88.5	11	5.7	217	192	88.5	10	5.2	1	1	100.0	1	100.0
Dallas	604	604	100.0	22	3.6	336	336	100.0	18	5.4	268	268	100.0	4	1.5
Davis	114	50	43.9	2	4.0	45	22	48.9	2	9.1	69	28	40.6	0	0.0
Decatur	85	64	75.3	5	7.8	80	59	73.8	5	8.5	5	5	100.0	0	0.0
Delaware	212	149	70.3	6	4.0	109	78	71.6	5	6.4	103	71	68.9	1	1.4
Des Moines	497	497	100.0	51	10.3	415	415	100.0	43	10.4	82	82	100.0	8	9.8
Dickinson	170	65	38.2	0	0.0	84	31	36.9	0	0.0	86	34	39.5	0	0.0
Dubuque	1151	789	68.5	28	3.5	634	337	53.2	26	7.7	517	452	87.4	2	0.4
Emmet	130	83	63.8	5	6.0	92	53	57.6	4	7.5	38	30	78.9	1	3.3
Fayette	201	201	100.0	14	7.0	151	151	100.0	12	7.9	50	50	100.0	2	4.0
Floyd	175	148	84.6	13	8.8	123	96	78.0	12	12.5	52	52	100.0	1	1.9
Franklin	120	120	100.0	11	9.2	94	94	100.0	10	10.6	26	26	100.0	1	3.8
Fremont	74	72	97.3	3	4.2	54	52	96.3	3	5.8	20	20	100.0	0	0.0
Greene	94	94	100.0	11	11.7	76	76	100.0	10	13.2	18	18	100.0	1	5.6
Grundy	127	127	100.0	4	3.1	62	62	100.0	3	4.8	65	65	100.0	1	1.5
TOTALS	37555	30210	80.4	1540	5.1	23539	17984	76.4	1245	6.9	14016	12226	87.2	295	2.4

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COUNTY	ALL CHILDREN					CHILDREN ENROLLED IN MEDICAID					NON-L21MEDICAID CHILDREN				
	2002 BIRTHS	TESTED	% TESTED	>=10	%>=10	MEDICAID ENROLLED	TESTED	% TESTED	>=10	%>=10	NON MEDICAID	TESTED	% TESTED	>=10	%>=10
Guthrie	148	112	75.7	8	7.1	68	60	88.2	6	10.0	80	52	65.0	2	3.8
Hamilton	179	162	90.5	13	8.0	116	99	85.3	11	11.1	63	63	100.0	2	3.2
Hancock	111	111	100.0	5	4.5	77	77	100.0	3	3.9	34	34	100.0	2	5.9
Hardin	190	190	100.0	18	9.5	141	141	100.0	11	7.8	49	49	100.0	7	14.3
Harrison	171	98	57.3	2	2.0	115	47	40.9	2	4.3	56	51	91.1	0	0.0
Henry	240	211	87.9	14	6.6	181	152	84.0	7	4.6	59	59	100.0	7	11.9
Howard	111	91	82.0	8	8.8	60	51	85.0	8	15.7	51	40	78.4	0	0.0
Humboldt	108	94	87.0	2	2.1	82	68	82.9	2	2.9	26	26	100.0	0	0.0
Ida	96	75	78.1	15	20.0	60	57	95.0	13	22.8	36	18	50.0	2	11.1
Iowa	179	141	78.8	11	7.8	93	73	78.5	9	12.3	86	68	79.1	2	2.9
Jackson	212	209	98.6	14	6.7	147	144	98.0	13	9.0	65	65	100.0	1	1.5
Jasper	458	298	65.1	11	3.7	247	116	47.0	5	4.3	211	182	86.3	6	3.3
Jefferson	147	99	67.3	2	2.0	109	64	58.7	2	3.1	38	35	92.1	0	0.0
Johnson	1443	947	65.6	19	2.0	683	386	56.5	14	3.6	760	561	73.8	5	0.9
Jones	207	159	76.8	5	3.1	110	73	66.4	4	5.5	97	86	88.7	1	1.2
Keokuk	143	92	64.3	4	4.3	71	50	70.4	4	8.0	72	42	58.3	0	0.0
Kossuth	168	142	84.5	1	0.7	110	84	76.4	0	0.0	58	58	100.0	1	1.7
Lee	404	304	75.2	19	6.3	348	248	71.3	15	6.0	56	56	100.0	4	7.1
Linn	2751	2128	77.4	93	4.4	1439	1130	78.5	82	7.3	1312	998	76.1	11	1.1
Louisa	200	153	76.5	3	2.0	138	91	65.9	1	1.1	62	62	100.0	2	3.2
Lucas	107	90	84.1	7	7.8	79	62	78.5	6	9.7	28	28	100.0	1	3.6
Lyon	157	107	68.2	6	5.6	79	60	75.9	5	8.3	78	47	60.3	1	2.1
Madison	208	149	71.6	4	2.7	74	51	68.9	2	3.9	134	98	73.1	2	2.0
Mahaska	251	251	100.0	24	9.6	176	176	100.0	22	12.5	75	75	100.0	2	2.7
Marion	423	402	95.0	11	2.7	207	186	89.9	8	4.3	216	216	100.0	3	1.4
Marshall	539	539	100.0	62	11.5	438	438	100.0	54	12.3	101	101	100.0	8	7.9
Mills	163	144	88.3	7	4.9	118	99	83.9	4	4.0	45	45	100.0	3	6.7
Mitchell	127	70	55.1	6	8.6	55	42	76.4	4	9.5	72	28	38.9	2	7.1
Monona	107	75	70.1	11	14.7	87	55	63.2	8	14.5	20	20	100.0	3	15.0
Monroe	81	81	100.0	5	6.2	59	59	100.0	5	8.5	22	22	100.0	0	0.0
Montgomery	139	139	100.0	8	5.8	114	114	100.0	7	6.1	25	25	100.0	1	4.0
Muscatine	631	592	93.8	29	4.9	494	455	92.1	20	4.4	137	137	100.0	9	6.6
O'Brien	169	103	60.9	13	12.6	108	53	49.1	6	11.3	61	50	82.0	7	14.0
Osceola	73	44	60.3	0	0.0	40	19	47.5	0	0.0	33	25	75.8	0	0.0
Page	171	158	92.4	23	14.6	136	123	90.4	19	15.4	35	35	100.0	4	11.4
Palo Alto	110	86	78.2	2	2.3	72	48	66.7	1	2.1	38	38	100.0	1	2.6
Plymouth	302	243	80.5	9	3.7	144	121	84.0	8	6.6	158	122	77.2	1	0.8
Pocahontas	80	54	67.5	3	5.6	51	33	64.7	3	9.1	29	21	72.4	0	0.0
TOTALS	37555	30210	80.4	1540	5.1	23539	17984	76.4	1245	6.9	14016	12226	87.2	295	2.4

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Polk	6140	4612	75.1	121	2.6	3245	2077	64.0	81	3.9	2895	2535	87.6	40	1.6
Pottawattamie	1180	612	51.9	15	2.5	1035	467	45.1	10	2.1	145	145	100.0	5	3.4
Poweshiek	193	171	88.6	10	5.8	104	83	79.8	10	12.0	89	88	98.9	0	0.0
Ringgold	54	46	85.2	1	2.2	33	28	84.8	1	3.6	21	18	85.7	0	0.0
Sac	90	82	91.1	5	6.1	66	58	87.9	5	8.6	24	24	100.0	0	0.0
Scott	2275	1952	85.8	90	4.6	1632	1309	80.2	76	5.8	643	643	100.0	14	2.2
Shelby	157	140	89.2	6	4.3	82	65	79.3	4	6.2	75	75	100.0	2	2.7
Sioux	462	344	74.5	17	4.9	242	171	70.7	15	8.8	220	173	78.6	2	1.2
Story	922	750	81.3	24	3.2	431	306	71.0	12	3.9	491	444	90.4	12	2.7
Tama	220	216	98.2	21	9.7	171	167	97.7	21	12.6	49	49	100.0	0	0.0
Taylor	73	73	100.0	10	13.7	54	54	100.0	8	14.8	19	19	100.0	2	10.5
Union	138	121	87.7	15	12.4	129	112	86.8	13	11.6	9	9	100.0	2	22.2
Van Buren	82	46	56.1	2	4.3	57	25	43.9	0	0.0	25	21	84.0	2	9.5
Wapello	441	441	100.0	32	7.3	409	409	100.0	28	6.8	32	32	100.0	4	12.5
Warren	489	335	68.5	3	0.9	198	94	47.5	0	0.0	291	241	82.8	3	1.2
Washington	308	213	69.2	8	3.8	162	120	74.1	8	6.7	146	93	63.7	0	0.0
Wayne	84	84	100.0	15	17.9	57	57	100.0	12	21.1	27	27	100.0	3	11.1
Webster	471	445	94.5	27	6.1	328	302	92.1	25	8.3	143	143	100.0	2	1.4
Winnebago	114	100	87.7	3	3.0	86	72	83.7	3	4.2	28	28	100.0	0	0.0
Winneshiek	196	174	88.8	14	8.0	97	77	79.4	12	15.6	99	97	98.0	2	2.1
Woodbury	1592	1185	74.4	102	8.6	1371	964	70.3	92	9.5	221	221	100.0	10	4.5
Worth	67	67	100.0	5	7.5	43	43	100.0	4	9.3	24	24	100.0	1	4.2
Wright	162	155	95.7	15	9.7	115	108	93.9	12	11.1	47	47	100.0	3	6.4
TOTALS	37555	30210	80.4	1540	5.1	23539	17984	76.4	1245	6.9	14016	12226	87.2	295	2.4