

# Child Lead Testing and Poisoning in Polk County by Neighborhood

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Child and Family Policy Center  
for the Local Learning Partnership

August 2, 2005





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Lead poisoning is a disease that occurs when children have too much lead in their bodies. A child is considered to be lead-poisoned at a blood level of 10 micrograms per deciliter ( $\mu\text{g}/\text{dL}$ ) or above. Lead has adverse effects on nearly all systems of the body and is particularly harmful to the developing brains and nervous systems of children under six. In Iowa, most cases of lead poisoning are caused by lead-based paint. Lead-based paint becomes a hazard as it deteriorates and lead-based paint chips end up on the floors and in window wells throughout the home, as well as in the soil around the exterior of a home. Most of Iowa's older homes contain lead-based paint, particularly those built before 1950.

The Iowa Department of Public Health strongly recommends that all children be tested for lead poisoning, and this testing is required for children who are covered by Medicaid. The Center for Disease Control requires the Iowa Department of Public Health (IDPH) to keep records and calculate the rate of testing and the prevalence of poisoning in children so tested, through clinical records, including specific analyses for children covered under Medicaid. The IDPH January - 2005 report, *State of Iowa Strategic Plan for the Elimination of Childhood Lead Poisoning in Iowa*, shows that, while Polk County's lead poisoning rate of 4.8 % among children under six was below the state average of 9.4% of all children tested, but was above the national estimated rate. The study also determined the percentage of all children under six who were born in 1995-1997 and tested before the age of six years, with a Polk County rate of 41% tested, somewhat below the state rate of 48%.

Under the Local Learning Partnership, the Child and Family Policy Center obtained the most recent data from the Iowa Department of Public Health for children under six and then examined the Polk County data by census tract, with a particular attention to Making Connections neighborhoods. The Center analyzed data for children under the age of six years who were tested in 2002, 2003, or 2004. This analysis used calendar year data while the IDPH report analyzed data by birth cohort. Therefore, the percentage of children tested as determined by this analysis cannot be directly compared to the IDPH report. The Table below provides some basic information from this analysis for the Making Connections Neighborhoods, the remaining parts of Polk County, and Polk County as a whole.

**Table 1: Average Testing & Lead Poisoning Rates Among Young Children in Making Connections Neighborhoods and Polk County (2002 – 2004)**

	Making Connections	Rest of the Polk Co.	All Polk County	MC as % of Polk Co.
Children (0-5)	3300	30628	33928	9.7
Mean Children Tested	854	3994	4848	17.6
Mean Children with lead-blood level over 10 ( $\mu\text{g/dL}$ )	71	103	174	40.8
Mean Cumulative Average % Tested	26.0	13.1	14.2	
Mean Cumulative Average % Tested with Lead Poisoning	8.4	2.6	3.6	

Sources: Census 2000 and Iowa Dept. of Public Health.

Table 1 shows that, as expected, children in Making Connections neighborhoods have much higher rates of lead poisoning with 8.4% of all children tested having lead-blood levels above 10 ( $\mu\text{g/dL}$ ). This is more than three times the rate for the rest of Polk County, consistent with the older housing stock in these neighborhoods. More detailed analysis by census tract in the Appendix shows other areas in Des Moines where rates of lead poisoning are high, as well as areas in Polk County where they are very low. As the information in the Appendix also shows, the high rates also correlate with the prevalence of pre-1950 housing<sup>1</sup>.

Table 1 also shows that children in Making Connections neighborhoods are much more likely to be tested, with an average of 26% of all young children having a blood-lead test in 2002 to 2004, compared with 13.1% for the rest of Polk County. This shows that current efforts to detect lead poisoning among children in Polk County have been targeted to children who live in areas of highest risk. At the same time, nearly 75% of children in these neighborhoods are not tested each year. If the rates of lead poisoning are as high among this untested group (2,442 children each year), that would mean that there an average of 205 children in these neighborhoods each year whose blood poisoning has not been detected. By similar calculations, testing the 26,616 children who are not tested each year in the rest of Polk County would uncover 692 more children with lead poisoning each year.

Clearly, the information provided shows that efforts to test children for lead poisoning have not reached all children who need such tests, but that there has been a much higher rate of testing for children from neighborhoods where the risk of such poisoning is highest.

Again, the above discussion and the information in the Appendices and the maps can point to specific areas where additional outreach and testing might be needed, based upon current testing rates, the prevalence of older housing, and lead poisoning frequency rates among those currently tested.

<sup>1</sup> A Correlation of 0.661 significant at  $p < 0.01$  is observed, which explains about 44 % of the variation in elevated blood levels.

**APPENDIX A**  
Annual Analysis for Children Tested,  
Children with Elevated Lead Levels in **2002 –2004**

**Table 2: Testing & Lead Poisoning Rates Among Young Children in Making Connections Neighborhoods and Polk County –2002**

	Making Connections	Rest of the Polk County	All Polk County	MC as % of Polk Co.
Children (0-5)	3300	30628	33928	9.7
Children Tested	837	3788	4625	18.1
Children with lead-blood level over 10 ( µg/dL)	88	106	194	45.4
% Tested	25.4	12.4	13.6	
% Tested with Lead Poisoning	10.5	2.8	4.2	

Sources: Census 2000 and Iowa Dept. of Public Health.

**Table 3: Testing & Lead Poisoning Rates Among Young Children in Making Connections Neighborhoods and Polk County –2003**

	Making Connections	Rest of the Polk County	All Polk County	MC as % of Polk Co.
Children (0-5)	3300	30628	33928	9.7
Children Tested	848	4152	5000	17.0
Children with lead-blood level over 10 ( µg/dL)	59	108	167	35.3
% Tested	25.7	13.6	14.4	
% Tested with Lead Poisoning	7.0	2.6	3.3	

Sources: Census 2000 and Iowa Dept. of Public Health.

**Table 4: Testing & Lead Poisoning Rates Among Young Children in Making Connections Neighborhoods and Polk County –2004**

	Making Connections	Rest of the Polk County	All Polk County	MC as % of Polk Co.
Children (0-5)	3300	30628	33928	9.7
Children Tested	876	4042	4918	17.8
Children with lead-blood level over 10 ( µg/dL)	67	95	162	41.4
% Tested	26.5	13.2	14.5	
% Tested with Lead Poisoning	7.6	2.4	3.3	

Sources: Census 2000 and Iowa Dept. of Public Health.

## APPENDIX B

### Census Tract Level Percentages for Children Tested, Children with Elevated Lead Levels in (2002-2004) and Housing Stock Built Prior 1950

Tract id	Children Pop (0-5)	Mean % Tested	Mean % Elevated	% Housing*	Geographic Area
1.01	265	18.4	3.19	15.50	DSM NE
1.02	391	10.7	0.90	12.47	DSM NE
1.03	234	17.4	2.13	30.26	DSM NE
2.01	184	19.0	5.16	11.18	DSM NE
2.02	353	12.7	2.29	35.48	DSM NE
3	376	17.5	5.02	49.54	DSM NE
4	379	15.7	7.03	56.43	DSM NE
5	408	24.1	4.58	77.57	DSM NE
6	353	30.2	2.84	60.19	DSM NE
7.01	309	20.7	3.88	32.50	DSM NW
7.02	251	15.4	5.23	9.43	DSM NW
7.03	274	15.2	1.62	53.36	DSM NW
7.04	242	12.7	1.90	15.33	DSM NW
8.01	541	11.0	1.64	14.96	DSM NW
8.02	287	14.2	0.00	62.22	DSM NW
8.03	390	13.6	0.00	35.97	DSM NW
9.01	309	15.1	0.64	38.35	DSM NW
9.02	222	19.4	1.46	75.52	DSM NW
10	346	17.9	5.58	64.76	DSM NW
11	439	21.7	9.03	50.93	MC West
12	374	30.1	10.26	70.92	MC West
15	223	25.4	4.84	87.06	DSM NE
17	240	23.9	8.11	43.94	MC East
18	229	15.4	5.56	61.49	DSM NE
19	372	18.0	3.32	48.95	DSM NE
21	459	25.6	8.10	81.44	MC East
26	316	23.8	10.96	74.03	MC West
27	330	22.6	8.99	61.64	Inner
28	325	16.6	9.81	83.01	DSM NW
29	306	15.1	9.24	57.77	DSM SW
30.01	175	10.1	5.77	76.43	DSM NW
30.02	289	13.8	3.37	73.57	DSM SW
31	102	21.6	1.28	54.96	DSM SW
32	111	21.9	2.78	42.98	DSM SW
39	1141	15.2	3.28	4.26	DSM SE
40.01	102	42.5	0.72	9.12	DSM SW
40.02	274	10.2	0.98	4.21	DSM SW
41	318	15.3	1.55	58.71	DSM SW
42	223	17.0	2.70	47.83	Inner
43	533	20.3	1.53	34.00	DSM SE
44	528	16.0	5.23	30.37	DSM SE
45.01	371	17.6	3.13	15.53	DSM SE
45.02	152	23.7	2.56	23.32	DSM SW
46.01	268	17.9	1.34	24.42	DSM SW
46.02	611	15.8	2.45	23.63	DSM SE

**Appendix B, Continued**

<b>Tract id</b>	<b>Children Pop (0-5)</b>	<b>Mean % Tested</b>	<b>Mean % Elevated</b>	<b>% Housing*</b>	<b>Geographic Area</b>
47	674	14.4	0.62	10.99	DSM SW
48	526	19.5	7.11	64.23	MC East
49	226	29.1	6.60	52.23	MC West
50	455	28.1	7.79	65.00	MC West
51	225	26.7	9.49	25.92	Inner
52	432	23.1	7.28	58.63	MC East
53	257	18.8	3.88	38.47	DSM SE
101.01	269	7.4	6.65	39.77	Rural
101.02	310	9.6	1.28	15.75	Suburban East
102.03	515	8.1	0.74	8.78	Suburban North
102.04	829	7.7	1.02	1.17	Suburban North
102.05	360	11.9	0.00	17.78	Suburban North
102.06	1253	7.9	0.89	1.08	Suburban North
104.01	706	10.5	0.51	11.48	Suburban Northwest
104.03	618	8.9	0.52	1.68	Suburban Northwest
104.04	340	7.2	0.00	2.40	Suburban Northwest
104.05	451	12.8	0.56	2.08	Suburban Northwest
105	419	13.3	1.59	25.87	Suburban North
106	445	10.0	3.57	24.60	Suburban East
107.01	1172	10.3	1.33	5.83	Suburban East
107.02	360	11.0	0.98	26.04	Rural
108.01	634	9.8	1.00	5.22	Suburban East
108.02	421	16.5	1.46	10.78	DSM SE
110.01	296	13.3	1.28	46.95	Suburban West
110.21	526	8.2	0.71	2.70	Suburban West
110.23	919	6.5	1.36	0.39	Suburban West
110.24	940	7.6	0.39	1.94	Suburban West
111.02	377	11.8	0.64	1.61	Suburban West
111.11	363	18.9	0.46	21.43	Suburban West
111.12	339	11.4	0.00	5.19	Suburban West
112.01	338	15.1	0.67	20.89	Suburban West
112.02	910	11.9	0.87	3.33	Suburban West
113	891	6.8	1.15	6.53	Suburban Northwest
114	885	6.3	1.17	6.49	Suburban Northwest
115	322	5.9	0.00	16.11	Suburban Northwest
80	33928				

**Sources:** Census 2000, Iowa Dept. of Public Health (2002-2004)

\* = Percentage Housing Built Prior to 1950.

## APPENDIX C

### Census Tract Level Percentages for Children Tested, Children with Elevated Lead Levels in **2002** and Housing Stock Built Prior 1950

Tract id	Children Pop (0-5)	Children Tested	% Tested	% Elevated	% Housing*	Geographic Area
1.01	265	40	15.1	7.50	15.50	DSM NE
1.02	391	46	11.8	0.00	12.47	DSM NE
1.03	234	37	15.8	0.00	30.26	DSM NE
2.01	184	28	15.2	3.57	11.18	DSM NE
2.02	353	37	10.5	2.70	35.48	DSM NE
3	376	59	15.7	3.39	49.54	DSM NE
4	379	65	17.2	7.69	56.43	DSM NE
5	408	84	20.6	5.95	77.57	DSM NE
6	353	104	29.5	3.85	60.19	DSM NE
7.01	309	51	16.5	3.92	32.50	DSM NW
7.02	251	42	16.7	4.76	9.43	DSM NW
7.03	274	42	15.3	0.00	53.36	DSM NW
7.04	242	30	12.4	0.00	15.33	DSM NW
8.01	541	56	10.4	1.79	14.96	DSM NW
8.02	287	37	12.9	0.00	62.22	DSM NW
8.03	390	48	12.3	0.00	35.97	DSM NW
9.01	309	52	16.8	1.92	38.35	DSM NW
9.02	222	43	19.4	2.33	75.52	DSM NW
10	346	61	17.6	3.28	64.76	DSM NW
11	439	92	21.0	8.70	50.93	MC West
12	374	114	30.5	16.67	70.92	MC West
15	223	45	20.2	0.00	87.06	DSM NE
17	240	59	24.6	10.17	43.94	MC East
18	229	35	15.3	11.43	61.49	DSM NE
19	372	41	11.0	4.88	48.95	DSM NE
21	459	96	20.9	10.42	81.44	MC East
26	316	85	26.9	12.94	74.03	MC West
27	330	86	26.1	10.47	61.64	Inner
28	325	53	16.3	13.21	83.01	DSM NW
29	306	48	15.7	8.33	57.77	DSM SW
30.01	175	17	9.7	11.76	76.43	DSM NW
30.02	289	40	13.8	0.00	73.57	DSM SW
31	102	25	24.5	0.00	54.96	DSM SW
32	111	25	22.5	4.00	42.98	DSM SW
39	1141	161	14.1	3.73	4.26	DSM SE
40.01	102	31	30.4	0.00	9.18	DSM SW
40.02	274	34	12.4	2.94	4.21	DSM SW
41	318	48	15.1	0.00	58.71	DSM SW
42	223	34	15.2	5.88	47.83	Inner
43	533	111	20.8	2.70	34.00	DSM SE
44	528	78	14.8	8.97	30.37	DSM SE
45.01	371	53	14.3	3.77	15.53	DSM SE
45.02	152	44	28.9	4.55	23.32	DSM SW
46.01	268	54	20.1	1.85	24.42	DSM SW
46.02	611	87	14.2	2.30	23.63	DSM SE

**Appendix C, Continued**

<b>Tract id</b>	<b>Children Pop (0-5)</b>	<b>Children Tested</b>	<b>% Tested</b>	<b>% Elevated</b>	<b>% Housing*</b>	<b>Geographic Area</b>
47	674	95	14.1	0.00	10.99	DSM SW
48	526	102	19.4	8.82	64.23	MC East
49	226	66	29.2	7.58	52.23	MC West
50	455	133	29.2	6.77	65.00	MC West
51	225	65	28.9	10.77	25.92	Inner
52	432	90	20.8	12.22	58.63	MC East
53	257	38	14.8	7.89	38.47	DSM SE
101.01	269	17	6.3	5.88	39.77	Rural
101.02	310	26	8.4	3.85	15.75	Suburban East
102.03	515	38	7.4	0.00	8.78	Suburban North
102.04	829	68	8.2	1.47	1.17	Suburban North
102.05	360	37	10.3	0.00	17.78	Suburban North
102.06	1253	90	7.2	0.00	1.08	Suburban North
104.01	706	66	9.3	1.52	11.48	Suburban Northwest
104.03	618	64	10.4	1.56	1.68	Suburban Northwest
104.04	340	29	8.5	0.00	2.40	Suburban Northwest
104.05	451	43	9.5	0.00	2.08	Suburban Northwest
105	419	50	11.9	2.00	25.87	Suburban North
106	445	42	9.4	2.38	24.60	Suburban East
107.01	1172	113	9.6	0.00	5.83	Suburban East
107.02	360	30	8.3	0.00	26.04	Rural
108.01	634	66	10.4	1.52	5.22	Suburban East
108.02	421	73	17.3	1.37	10.78	DSM SE
110.01	296	37	12.5	0.00	46.95	Suburban West
110.21	526	46	8.7	0.00	2.70	Suburban West
110.23	919	60	6.5	0.00	0.39	Suburban West
110.24	940	66	7.0	0.00	1.94	Suburban West
111.02	377	42	11.1	0.00	1.61	Suburban West
111.11	363	76	20.9	0.00	21.43	Suburban West
111.12	339	35	10.3	0.00	5.19	Suburban West
112.01	338	45	13.3	0.00	20.89	Suburban West
112.02	910	97	10.7	0.00	3.33	Suburban West
113	891	57	6.4	1.75	6.53	Suburban Northwest
114	885	50	5.6	2.00	6.49	Suburban Northwest
115	322	15	4.7	0.00	16.11	Suburban Northwest
<b>80</b>	<b>33928</b>	<b>4625</b>				

**Sources:** Census 2000, Iowa Dept. of Public Health (2002)

\* = Percentage Housing Built Prior to 1950.

## APPENDIX D

### Census Tract Level Percentages for Children Tested, Children with Elevated Lead Levels in **2003** and Housing Stock Built Prior 1950

Tract id	Children Pop (0-5)	Children Tested	% Tested	% Elevated	% Housing*	Geographic Area
1.01	265	58	21.9	0.00	15.50	DSM NE
1.02	391	42	10.7	0.00	12.47	DSM NE
1.03	234	38	16.2	0.00	30.26	DSM NE
2.01	184	35	19.0	0.00	11.18	DSM NE
2.02	353	48	13.6	4.17	35.48	DSM NE
3	376	68	18.1	8.82	49.54	DSM NE
4	379	61	16.1	11.48	56.43	DSM NE
5	408	114	27.9	2.63	77.57	DSM NE
6	353	112	31.7	1.79	60.19	DSM NE
7.01	309	57	18.4	1.75	32.50	DSM NW
7.02	251	41	16.3	4.88	9.43	DSM NW
7.03	274	38	13.9	2.63	53.36	DSM NW
7.04	242	35	14.5	5.71	15.33	DSM NW
8.01	541	59	10.9	0.00	14.96	DSM NW
8.02	287	45	15.7	0.00	62.22	DSM NW
8.03	390	55	14.1	0.00	35.97	DSM NW
9.01	309	37	12.0	0.00	38.35	DSM NW
9.02	222	49	22.1	2.04	75.52	DSM NW
10	346	68	19.7	2.94	64.76	DSM NW
11	439	94	21.4	6.38	50.93	MC West
12	374	120	32.1	8.33	70.92	MC West
15	223	64	28.7	4.69	87.06	DSM NE
17	240	58	24.2	6.90	43.94	MC East
18	229	33	14.4	0.00	61.49	DSM NE
19	372	91	24.5	2.20	48.95	DSM NE
21	459	115	25.1	6.09	81.44	MC East
26	316	66	20.9	10.61	74.03	MC West
27	330	75	22.7	13.33	61.64	Inner
28	325	51	15.7	5.88	83.01	DSM NW
29	306	49	16.0	12.24	57.77	DSM SW
30.01	175	18	10.3	0.00	76.43	DSM NW
30.02	289	36	12.5	5.56	73.57	DSM SW
31	102	15	14.7	0.00	54.96	DSM SW
32	111	25	22.5	0.00	42.98	DSM SW
39	1141	200	17.5	3.00	4.26	DSM SE
40.01	102	46	45.1	2.17	9.18	DSM SW
40.02	274	22	8.0	0.00	4.21	DSM SW
41	318	22	13.5	4.65	58.71	DSM SW
42	223	43	15.7	0.00	47.83	Inner
43	533	35	20.5	0.92	34.00	DSM SE
44	528	109	17.8	4.26	30.37	DSM SE
45.01	371	94	19.1	4.23	15.53	DSM SE
45.02	152	71	21.1	3.13	23.32	DSM SW
46.01	268	32	17.2	2.17	24.42	DSM SW
46.02	611	46	15.4	3.19	23.63	DSM SE

## Appendix D, Continued

Tract id	Children Pop (0-5)	Children Tested	% Tested	% Elevated	% Housing*	Geographic Area
47	674	88	13.1	0.00	10.99	DSM SW
48	526	91	17.3	5.49	64.23	MC East
49	226	66	29.2	4.55	52.23	MC West
50	455	131	28.8	9.92	65.00	MC West
51	225	65	28.9	7.69	25.92	Inner
52	432	107	24.8	3.74	58.63	MC East
53	257	54	21.0	1.85	38.47	DSM SE
101.01	269	21	7.8	9.52	39.77	Rural
101.02	310	23	7.4	0.00	15.75	Suburban East
102.03	515	42	8.2	0.00	8.78	Suburban North
102.04	829	63	7.6	1.59	1.17	Suburban North
102.05	360	42	11.7	0.00	17.78	Suburban North
102.06	1253	112	8.9	2.68	1.08	Suburban North
104.01	706	74	10.5	0.00	11.48	Suburban Northwest
104.03	618	52	8.4	0.00	1.68	Suburban Northwest
104.04	340	29	8.5	0.00	2.40	Suburban Northwest
104.05	451	60	13.3	1.67	2.08	Suburban Northwest
105	419	72	17.2	2.78	25.87	Suburban North
106	445	36	8.1	8.33	24.60	Suburban East
107.01	1172	141	12.0	2.13	5.83	Suburban East
107.02	360	55	15.3	0.00	26.04	Rural
108.01	634	53	8.4	0.00	5.22	Suburban East
108.02	421	77	18.3	1.30	10.78	DSM SE
110.01	296	52	17.6	3.85	46.95	Suburban West
110.21	526	37	7.0	0.00	2.70	Suburban West
110.23	919	49	5.3	4.08	0.39	Suburban West
110.24	940	86	9.1	1.16	1.94	Suburban West
111.02	377	39	10.3	0.00	1.61	Suburban West
111.11	363	72	19.8	1.39	21.43	Suburban West
111.12	339	43	12.7	0.00	5.19	Suburban West
112.01	338	58	17.2	0.00	20.89	Suburban West
112.02	910	114	12.5	1.75	3.33	Suburban West
113	891	59	6.6	1.69	6.53	Suburban Northwest
114	885	51	5.8	0.00	6.49	Suburban Northwest
115	322	24	7.5	0.00	16.11	Suburban Northwest
80	33928	5000				

Sources: Census 2000, Iowa Dept. of Public Health (2003)

\* = Percentage Housing Built Prior to 1950.

## APPENDIX E

### Census Tract Level Percentages for Children Tested, Children with Elevated Lead Levels in **2004** and Housing Stock Built Prior 1950

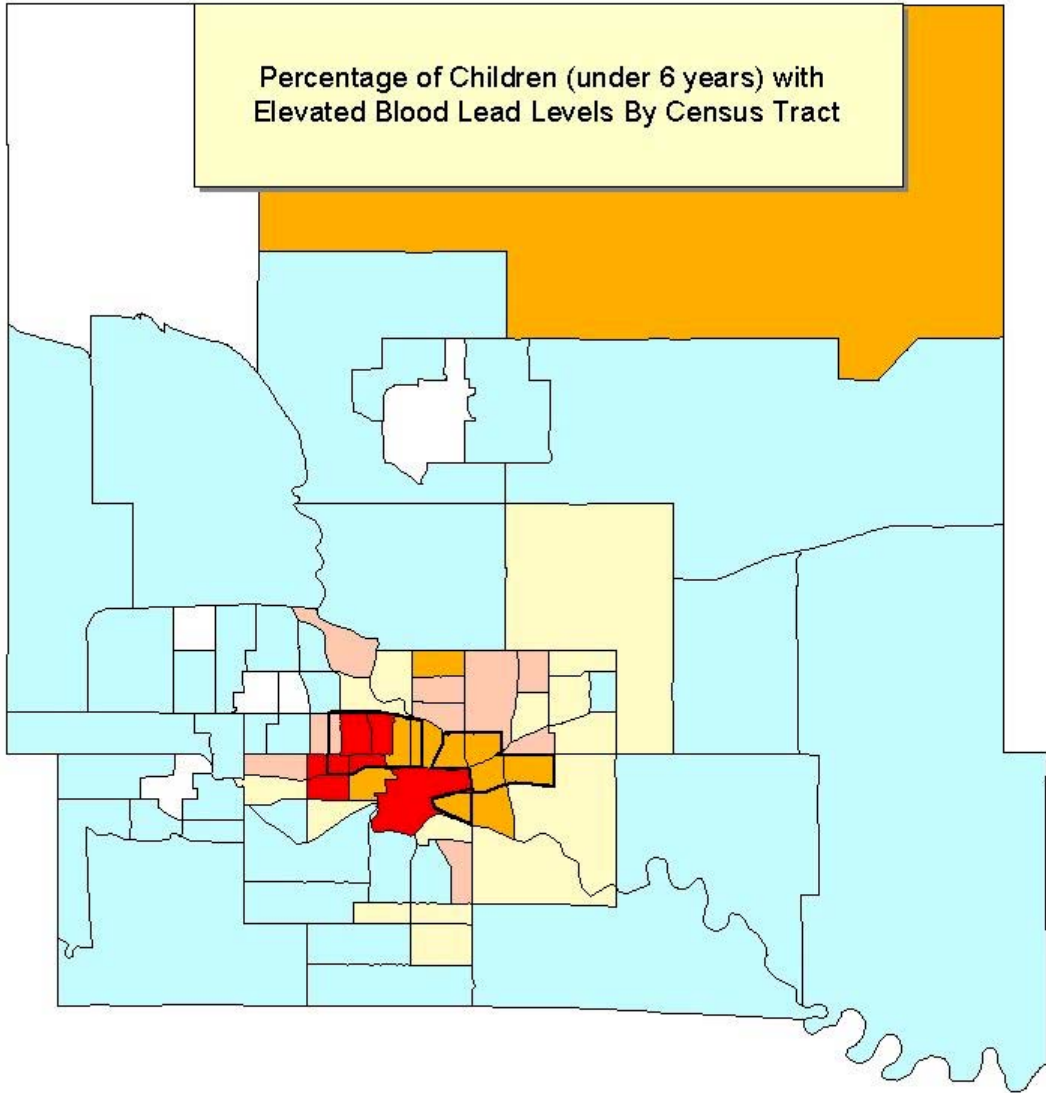
Tract id	Children Pop (0-5)	Children Tested	% Tested	% Elevated	% Housing*	Geographic Area
1.01	265	48	18.1	2.08	15.50	DSM NE
1.02	391	37	9.5	2.70	12.47	DSM NE
1.03	234	47	20.1	6.38	30.26	DSM NE
2.01	184	42	22.8	11.90	11.18	DSM NE
2.02	353	50	14.2	0.00	35.48	DSM NE
3	376	70	18.6	2.86	49.54	DSM NE
4	379	52	13.7	1.92	56.43	DSM NE
5	408	97	23.8	5.15	77.57	DSM NE
6	353	104	29.5	2.88	60.19	DSM NE
7.01	309	84	27.2	5.95	32.50	DSM NW
7.02	251	33	13.1	6.06	9.43	DSM NW
7.03	274	45	16.4	2.22	53.36	DSM NW
7.04	242	27	11.2	0.00	15.33	DSM NW
8.01	541	64	11.8	3.13	14.96	DSM NW
8.02	287	40	13.9	0.00	62.22	DSM NW
8.03	390	56	14.4	0.00	35.97	DSM NW
9.01	309	51	16.5	0.00	38.35	DSM NW
9.02	222	37	16.7	0.00	75.52	DSM NW
10	346	57	16.5	10.53	64.76	DSM NW
11	439	100	22.8	12.00	50.93	MC West
12	374	104	27.8	5.77	70.92	MC West
15	223	61	27.4	9.84	87.06	DSM NE
17	240	55	22.9	7.27	43.94	MC East
18	229	38	16.6	5.26	61.49	DSM NE
19	372	69	18.5	2.90	48.95	DSM NE
21	459	141	30.7	7.80	81.44	MC East
26	316	75	23.7	9.33	74.03	MC West
27	330	63	19.1	3.17	61.64	Inner
28	325	58	17.8	10.34	83.01	DSM NW
29	306	42	13.7	7.14	57.77	DSM SW
30.01	175	18	10.3	5.56	76.43	DSM NW
30.02	289	44	15.2	4.55	73.57	DSM SW
31	102	26	25.5	3.85	54.96	DSM SW
32	111	23	20.7	4.35	42.98	DSM SW
39	1141	160	14.0	3.13	4.26	DSM SE
40.01	102	53	52.0	0.00	9.18	DSM SW
40.02	274	28	10.2	0.00	4.21	DSM SW
41	318	55	17.3	0.00	58.71	DSM SW
42	223	45	20.2	2.22	47.83	Inner
43	533	104	19.5	0.96	34.00	DSM SE
44	528	81	15.3	2.47	30.37	DSM SE
45.01	371	72	19.4	1.39	15.53	DSM SE
45.02	152	32	21.1	0.00	23.32	DSM SW
46.01	268	44	16.4	0.00	24.42	DSM SW
46.02	611	108	17.7	1.85	23.63	DSM SE








**Appendix E, Continued**

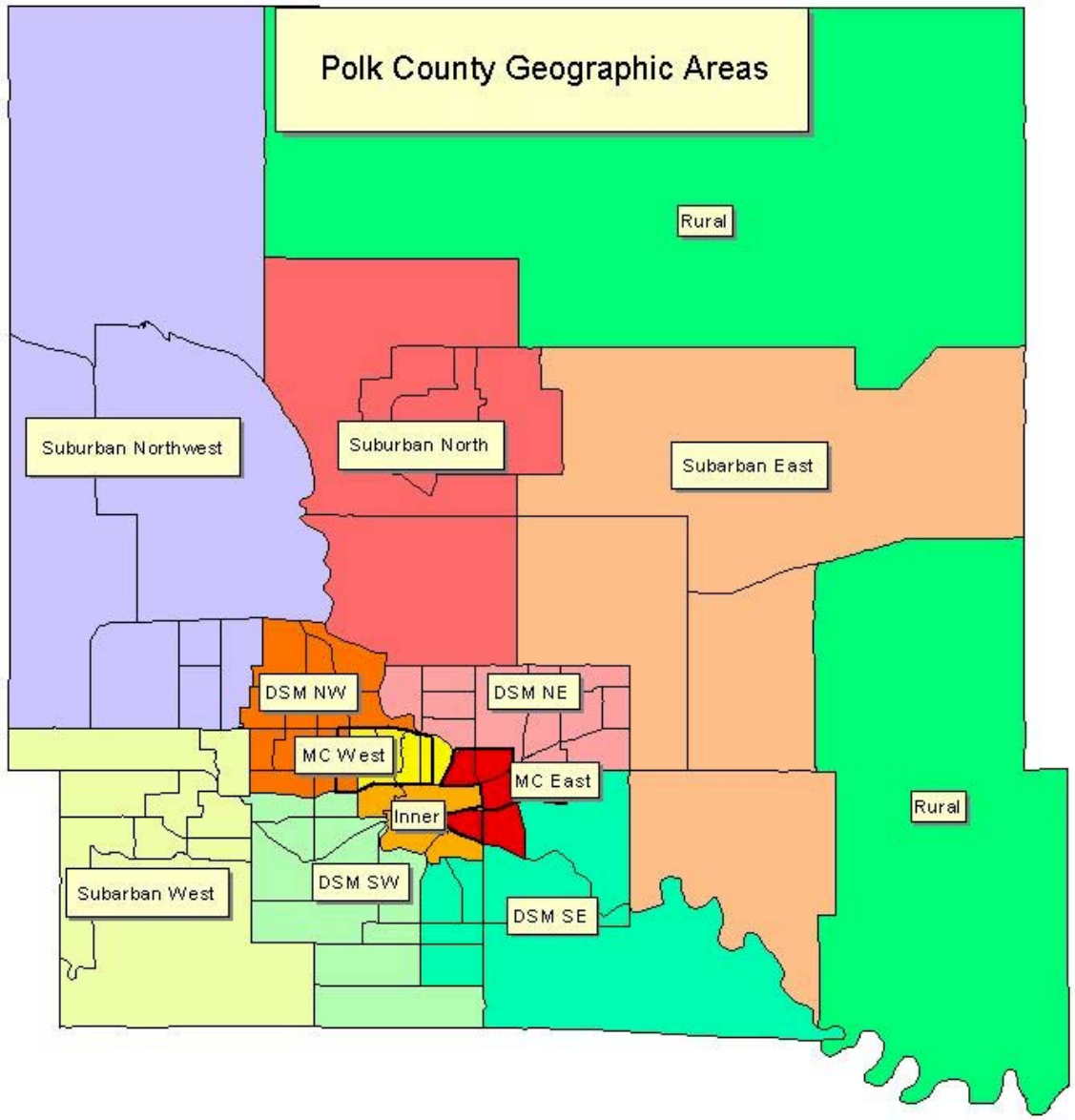
<b>Tract id</b>	<b>Children Pop (0-5)</b>	<b>Children Tested</b>	<b>% Tested</b>	<b>% Elevated</b>	<b>% Housing*</b>	<b>Geographic Area</b>
47	674	108	16.0	1.85	10.99	DSM SW
48	526	114	21.7	7.02	64.23	MC East
49	226	65	28.8	7.69	52.23	MC West
50	455	120	26.4	6.67	65.00	MC West
51	225	50	22.2	10.00	25.92	Inner
52	432	102	23.6	5.88	58.63	MC East
53	257	53	20.6	1.89	38.47	DSM SE
101.01	269	22	8.2	4.55	39.77	Rural
101.02	310	40	12.9	0.00	15.75	Suburban East
102.03	515	45	8.7	2.22	8.78	Suburban North
102.04	829	61	7.4	0.00	1.17	Suburban North
102.05	360	50	13.9	0.00	17.78	Suburban North
102.06	1253	94	7.5	0.00	1.08	Suburban North
104.01	706	82	11.6	0.00	11.48	Suburban Northwest
104.03	618	49	7.9	0.00	1.68	Suburban Northwest
104.04	340	15	4.4	0.00	2.40	Suburban Northwest
104.05	451	70	15.5	0.00	2.08	Suburban Northwest
105	419	45	10.7	0.00	25.87	Suburban North
106	445	55	12.4	0.00	24.60	Suburban East
107.01	1172	108	9.2	1.85	5.83	Suburban East
107.02	360	34	9.4	2.94	26.04	Rural
108.01	634	67	10.6	1.49	5.22	Suburban East
108.02	421	58	13.8	1.72	10.78	DSM SE
110.01	296	29	9.8	0.00	46.95	Suburban West
110.21	526	47	8.9	2.13	2.70	Suburban West
110.23	919	70	7.6	0.00	0.39	Suburban West
110.24	940	63	6.7	0.00	1.94	Suburban West
111.02	377	52	13.8	1.92	1.61	Suburban West
111.11	363	58	16.0	0.00	21.43	Suburban West
111.12	339	38	11.2	0.00	5.19	Suburban West
112.01	338	50	14.8	2.00	20.89	Suburban West
112.02	910	115	12.6	0.87	3.33	Suburban West
113	891	65	7.3	0.00	6.53	Suburban Northwest
114	885	66	7.5	1.52	6.49	Suburban Northwest
115	322	18	5.6	0.00	16.11	Suburban Northwest
<b>80</b>	<b>33928</b>	<b>4918</b>				

**Sources:** Census 2000, Iowa Dept. of Public Health (2004)

\* = Percentage Housing Built Prior to 1950.



-  Making Connections Boundary
- Percentage of Children
-  No Children with Elevated Levels
-  (0.1 - 1.9%)
-  (2.0 - 3.9%)
-  (4.0 - 5.9%)
-  (6.0% - 8.9%)
-  (9% & Above)





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