

Confirmed Elevated Blood Lead Levels (EBLs) for Children Less Than 6 Years Old  
Cleveland and Other Cuyahoga County Cities, 2004

	Total Tested	NEW								Level of Concern <sup>1</sup> ≥10ug/dl		Level of Awareness <sup>2</sup> ≥5ug/dl	
		Blood Level (ug/dl)								Total EBLs	Percent EBLs	Total EBLs	Percent EBLs
		5-9	10-14	15-19	20-24	25-34	35-44	45-69	70+				
<b>Cleveland</b>	15,435	4,824	1039	346	160	94	33	19	2	1,693	11.0%	6,517	42.2%
<b>First Ring</b>	5,529	1,001	143	54	21	16	3	5	0	242	4.4%	1,243	22.5%
<b>Outer Ring</b>	2,001	171	12	3	0	4	0	1	0	20	1.0%	191	9.5%
<b>Cuyahoga County</b>	23,091	6,025	1,199	405	183	114	36	25	2	1,964	8.5%	7,989	34.6%
<b>Municipalities with &gt;= 100 Tests<sup>3</sup></b>													
Bedford	108	12	2	0	0	0	0	0	0	2	1.9%	14	13.0%
Bedford Hts	116	17	1	0	0	0	0	0	0	1	0.9%	18	15.5%
Brook Park	99	10	0	0	0	0	0	0	0	0	0.0%	10	10.1%
Cleveland City	15,435	4824	1,039	346	160	94	33	19	2	1,693	11.0%	6,517	42.2%
Cleveland Hts	749	122	27	9	4	1	0	2	0	43	5.7%	165	22.0%
East Cleveland	790	267	52	24	8	4	1	3	0	92	11.6%	359	45.4%
Euclid	716	112	8	1	1	3	1	0	0	14	2.0%	126	17.6%
Garfield Hts	365	67	8	4	1	1	0	0	0	14	3.8%	81	22.2%
Lakewood	699	102	16	9	1	1	1	0	0	28	4.0%	130	18.6%
Maple Hts.	353	66	5	0	1	0	0	0	0	6	1.7%	72	20.4%
North Olmsted	186	15	1	2	0	0	0	0	0	3	1.6%	18	9.7%
Parma	570	84	3	3	1	1	0	0	0	8	1.4%	92	16.1%
Parma Hts.	133	14	1	0	0	2	0	1	0	4	3.0%	18	13.5%
Rocky River	110	10	1	1	0	0	0	0	0	2	1.8%	12	10.9%
Shaker Hts.	359	41	11	1	2	2	0	0	0	16	4.5%	57	15.9%
South Euclid	220	26	5	0	0	0	0	0	0	5	2.3%	31	14.1%
University Hts	193	17	3	0	0	0	0	0	0	3	1.6%	20	10.4%
Warrensville Hts	253	53	3	2	1	1	0	0	0	7	2.8%	60	23.7%
Westlake	113	10	0	0	0	0	0	0	0	0	0.0%	10	8.8%

Notes:

1 - The amount of lead in a child's blood is measured in micrograms of lead per tenth of a liter of blood (mcg/dl). In 1990, CDC established a lead level of 10 mcg/dl or greater as the "level-of-concern" (now commonly considered "lead-poisoned"). The level of concern is the level at which CDC recommends public health actions be initiated. At the time, CDC did not define the threshold of 10 mcg/dl as "lead poisoning," acknowledging damage below 10 mcg/dl.

2 - Recent scientific evidence indicates that children suffer from adverse effects of lead at levels below 10 mcg/dl, including intellectual impairment, attention deficit hyperactivity disorder, and stunted growth. As a result, the Cleveland Department of Public Health, Cuyahoga County Board of Health, Lakewood Department of Human Services, and Shaker Heights Health Department recommend a child blood-lead level of 5 mcg/dl be used as a new level of awareness in the region, the level at which response should be initiated.

3 - Neighborhoods with < 100 tests performed may produce unreliable estimates.

Source: Data analyzed by Epidemiology and Surveillance Services at The Cuyahoga County Board of Health.  
Original data obtained through the Ohio Department of Health's Childhood Lead Poisoning Prevention Program.  
Revised 7/5/07 by the Cuyahoga County Board of Health  
Format modified 7/11/07 by Environmental Health Watch