

Appendix A

Missouri Department of Health & Senior Services

Summary of Blood Lead Data for Children Less Than 72 Months of Age Living In Herculaneum Who Were Tested in Both Years 2001 & 2002



Data provided:

- **ARE NOT a random sample; therefore, it does not represent all children in the entire community**
- **DO represent a result of physician-selection and/or self-selection**
- **DO represent children tested by venous draw in BOTH Years 2001 and 2002**
- **ARE the best data available to the Missouri Department of Health & Senior Services**

Table #1

Summary Table

Individuals	Numbers
Total number of children tested in both 2001 and 2002 ➤ 31 of the 35 children located east of Hwy 61 & Commercial Blvd	35
Number of children with blood lead levels always less than 10 µg/dL in 2001 and 2002 (Table # 2) ➤ 12 of the 20 children in this group had a decrease in blood lead level from 2001 to 2002	20
Number of children with blood lead levels higher than or equal to 10 µg/dL in 2001 with a decrease to a blood lead level of less than 10 µg/dL in 2002 (Table # 3)	9
Number of children with blood lead levels higher than or equal to 10 µg/dL in 2001 with a decreased blood lead level but still higher than or equal to 10 µg/dL in 2002 (Table # 4)	5
Children with an increase in blood lead level from 2001 to 2002 (Table # 5) ➤ One child had a blood lead level higher than 10 µg/dL in 2001 with an increase in blood lead level in 2002	1

The blood lead data summarized below have been reported by quarter in the following tables.

1st quarter = January–March

3rd quarter = July–September

2nd quarter = April–June

4th quarter = October–December

Table #2

Children with blood lead levels always less than 10 µg/dL in 2001 and 2002.

Total number of children in this group = 20

➤ 12 of the 20 children in this group had a decrease in blood lead level from 2001 to 2002

Child Identifier	Location = East of Hwy 61 & Commercial Blvd. noted with an X	Blood lead data for 2001				Blood lead data for 2002				Note:
		1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	
3	X				8 µg/dL		7 µg/dL			Amount of decrease in blood lead level (using highest blood lead level reported in 2001 and last blood lead level reported in 2002)
10	X				5 µg/dL				4 µg/dL	1 µg/dL
17	X				8 µg/dL	7 µg/dL				1 µg/dL
35	X	<3 µg/dL		7 µg/dL	6 µg/dL	6 µg/dL				1 µg/dL
14	X				5 µg/dL	<5µg/dL	<5 µg/dL			≥1µg/dL
18	X			5 µg/dL		<5 µg/dL				≥1µg/dL
31					5 µg/dL	<5 µg/dL				≥1µg/dL
1	X				8 µg/dL	6 µg/dL				2 µg/dL
24	X				7 µg/dL	5 µg/dL				2 µg/dL
19	X			9 µg/dL		6 µg/dL				3 µg/dL
28	X	7 µg/dL	9 µg/dL	8 µg/dL	6 µg/dL	5 µg/dL			6µg/dL	3 µg/dL
15					9 µg/dL		5 µg/dL			4 µg/dL

Note:

The following children's blood lead levels were either unchanged or because they were below the various laboratories reporting limits, DHSS is unable to definitively verify the change.

		1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	
2	X				<5 µg/dL		3 µg/dL			
7	X				<5 µg/dL			2 µg/dL		
12					<5 µg/dL			3 µg/dL		
20	X	<5µg/dL		<5 µg/dL		<5 µg/dL	<5 µg/dL	2 µg/dL		
22	X			<5 µg/dL		<3 µg/dL				
27	X			<3 µg/dL				4 µg/dL		
34				<5 µg/dL			<3 µg/dL			
8	X				6 µg/dL	6 µg/dL				

Table #3

Children with blood lead levels higher than or equal to 10 µg/dL in 2001 with a decrease to a blood lead level of less than 10µg/dL in 2002.

Total number of children in this group = 9

Child Identifier	Location = East of Hwy 61 & Commercial Blvd. noted with an X	Blood lead data for 2001				Blood lead data for 2002				Amount of decrease in blood lead level (using highest blood lead level reported in 2001 and last blood lead level reported in 2002)
		1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	
5	X				10 µg/dL	8 µg/dL				2 µg/dL
25	X		10 µg/dL	9 µg/dL – Aug. 8 µg/dL – Aug.		7 µg/dL	7 µg/dL			3 µg/dL
4	X			11 µg/dL	10 µg/dL	9 µg/dL			7 µg/dL	4µg/dL
23	X				10 µg/dL	8 µg/dL			6 µg/dL	4 µg/dL
33	X		10 µg/dL	12 µg/dL			8 µg/dL			4 µg/dL
21	X				16 µg/dL – Oct. 13µg/dL – Dec.		9 µg/dL			7µg/dL
9	X			18 µg/dL – Aug. 15 µg/dL – Sept.		8 µg/dL				10 µg/dL
11	X			19µg/dL – Aug. 14 µg/dL – Sept.	11 µg/dL		9 µg/dL			10 µ g/dL
16	X				25 µg/dL – Oct. 14 µg/dL – Dec.	7 µg/dL				18 µg/dL

Table #4

Children with blood lead levels higher than or equal to 10 µg/dL in 2001 and decreased blood lead levels still higher than or equal to 10µg/dL in 2002.

Total number of Children in this group = 5

Child Identifier	Location = East of Hwy 61 & Commercial Blvd. noted with an X	Blood lead data for 2001				Blood lead data for 2002				Amount of decrease in blood lead level (using highest blood lead level reported in 2001 and last blood lead level reported in 2002)
		1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	
26	X		14 µg/dL	11 µg/dL		8 µg/dL	11 µg/dL			3 µg/dL
30	X			14 µg/dL	13 µg/dL	10 µg/dL	10 µg/dL			4 µg/dL
29	X		15 µg/dL			8µg/dL		10µg/dL		5 µg/dL
32	X				19 µg/dL	16 µg/dL	14 µg/dL	13 µg/dL		6 µg/dL
6	X			28 µg/dL – Sept. 26 µg/dL – Sept.	15 µg/dL	16µg/dL				12 µg/dL

Table #5

Children with an increase in blood lead level from 2001 to 2002.

Total number of children in this group = 1

Child Identifier	Location = East of Hwy 61 & Commercial Blvd. noted with an X	Blood lead data for 2001				Blood lead data for 2002				Amount of increase in blood lead level (using the blood lead level reported in 2001 and last blood lead level reported in 2002)
		1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	
13	X				11 µg/dL	12 µg/dL	28 µg/dL – Apr 25 µg/dL - May			14 µg/dL