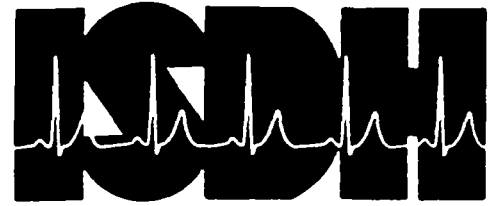


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Evan Bayh, Governor
John C. Bailey, M.D., State Health Commissioner

Indiana State Department of Health
1330 West Michigan Street
P.O. Box 1964
Indianapolis, IN 46206-1964
317/633-0100 Fax: 317/633-0776



Indiana State Department of Health

An Equal Opportunity Employer

February 18, 1993


Mr. Steve Siegel
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, IL 60604

Dear Mr. Siegel:

Enclosed please find the blood lead testing data summary you have requested for the Avanti Lead Site in Indianapolis, Indiana. You may feel free to release this summary document.

I hope this document will be helpful to you, and if you have any questions, please do not hesitate to call.

Sincerely,


Gregory K. Steele, Dr.P.H.
Environmental Epidemiologist
Epidemiology Resource Center
AC 317/633-8554

EPA Region 5 Records Ctr.



228016

Enclosure

A total of 255 individuals who live near the Avanti site have been tested for blood lead levels. A summary of the blood lead results, by street, follows which includes all blood lead tests analyzed up to January 1994.

RESULTS

Warman Avenue

Forty-six individuals who live on Warman Avenue gave blood samples to determine their blood lead levels. Samples ranged from <10 µg/dl to 18 µg/dl (see Table 1). Thirty-two of these individuals were between the ages of 7 and 45. All blood samples that were greater than 10 µg/dl were confirmed by venipuncture. In the information provided to the Indiana State Department of Health, the dates of birth of four individuals was not located. Their blood levels were all below 10 µg/dl.

Table 1. Number of Blood Lead Tests Above and Below 10 µg/dl for Individuals Residing on Warman Avenue

AGE	# TESTED	BLOOD LEAD <10	BLOOD LEAD >10*
<6	5	4	1
7-14	13	13	0
15-45	19	18	1 unknown level
>46	5	5	0
DOB Unknown	4	4	0

* all confirmed by venipuncture

DOB = Date of Birth

Addison Street

Twenty-one individuals from Addison Street gave blood samples to determine their blood lead levels. Results showed all blood levels were below 10 µg/dl (see Table 2). The majority of the individuals tested were above the age of six.

Table 2. Number of Blood Lead Tests Above and Below 10 $\mu\text{g}/\text{dl}$ for Individuals Residing on Addison Street

AGE	# TESTED	BLOOD LEAD <10	BLOOD LEAD >10
<6	2	2	0
7-14	8	8	0
15-45	4	4	0
>46	7	7	0
Unknown	0	0	0

South Hancock Street

Twenty individuals who lived on South Hancock Street gave blood samples to determine their blood lead levels. Results showed all samples to be below 10 $\mu\text{g}/\text{dl}$ (see Table 3). No children below the age of six were tested.

Table 3. Number of Blood Lead Tests Above and Below 10 $\mu\text{g}/\text{dl}$ for Individuals Residing on South Hancock Street

AGE	# TESTED	BLOOD LEAD <10	BLOOD LEAD >10
<6	0	0	0
7-14	4	4	0
15-45	10	10	0
>46	6	6	0
Unknown	0	0	0

South Harris Avenue

A total of 58 people from South Harris Avenue gave blood samples to determine their blood lead levels. Blood lead concentrations ranged from <10 µg/dl to 144 µg/dl (see Table 4). Eleven children were included in this group. Eight of these children had blood lead levels greater than 10 µg/dl. All were confirmed by venipuncture except for one child. A total of 15 individuals had blood lead levels higher than 10 µg/dl. There were no dates of birth provided for 13 individuals; their blood lead levels were all below 10 µg/dl.

Table 4. Number of Blood Lead Tests Above and Below 10 µg/dl for Individuals Residing on South Harris Avenue

AGE	# Tested	BLOOD LEAD <10	BLOOD LEAD >10
<6	11	3	8*
7-14	9	5	4
15-45	12	10	2
>46	13	12	1
Unknown	13	13	0

* One sample in this group was not confirmed by venipuncture.

South Holmes Avenue

Sixty-nine people who live on South Holmes Avenue gave blood samples to determine their blood lead levels. Blood lead concentrations ranged from <10 µg/dl to 43 µg/dl (see Table 5). Twenty-three of these individuals were children under the age of six. Five children had blood lead levels greater than 10 µg/dl. Please note that two of these children did not have their elevated levels confirmed by venipuncture. There were nine individuals with unknown dates of birth who had blood lead levels below 10 µg/dl.

Table 5. Number of Blood Lead Tests Above and Below 10 $\mu\text{g}/\text{dl}$ for Individuals Residing on South Holmes Avenue

AGE	# TESTED	BLOOD LEAD <10	BLOOD LEAD >10
<6	23	18	5*
7-14	17	15	2
15-45	20	19	1
>46	9	9	0
Unknown	9	9	0

* Three in this group were not confirmed by venipuncture.

West Ida Street

Three people who live on West Ida Street gave blood samples to determine their blood lead levels. Blood lead concentrations ranged from <10 $\mu\text{g}/\text{dl}$ to 12 $\mu\text{g}/\text{dl}$ (see Table 6). No children were tested. There was one confirmed case of an increased blood lead level (>10 $\mu\text{g}/\text{dl}$) in an individual whose age was greater than 45 years.

Table 6. Number of Blood Lead Tests Above and Below 10 $\mu\text{g}/\text{dl}$ for Individuals Residing on West Ida Street

AGE	# TESTED	BLOOD LEAD <10	BLOOD LEAD >10
<6	0	0	0
7-14	0	0	0
15-45	1	1	0
>46	2	1	1
Unknown	0	0	0

* All confirmed by venipuncture

West Jackson Street

Twenty-six individuals from West Jackson Street gave blood samples to determine their blood lead levels. Blood lead concentrations ranged from $<10 \mu\text{g/dl}$ to $38 \mu\text{g/dl}$ (see Table 7). All blood lead levels that were greater than $10 \mu\text{g/dl}$, except for one (date of birth unknown), were not confirmed by venipuncture. Three of these elevated blood lead levels were for children below the age of seven years.

Table 7. Number of Blood Lead Tests Above and Below $10 \mu\text{g/dl}$ for Individuals Residing on West Jackson Street

AGE	# TESTED	BLOOD LEAD <10	BLOOD LEAD >10
<6	6	3	3*
7-14	5	2	3*
15-45	9	8	1*
>46	5	5	0
Unknown	1	0	1

* Not confirmed by venipuncture

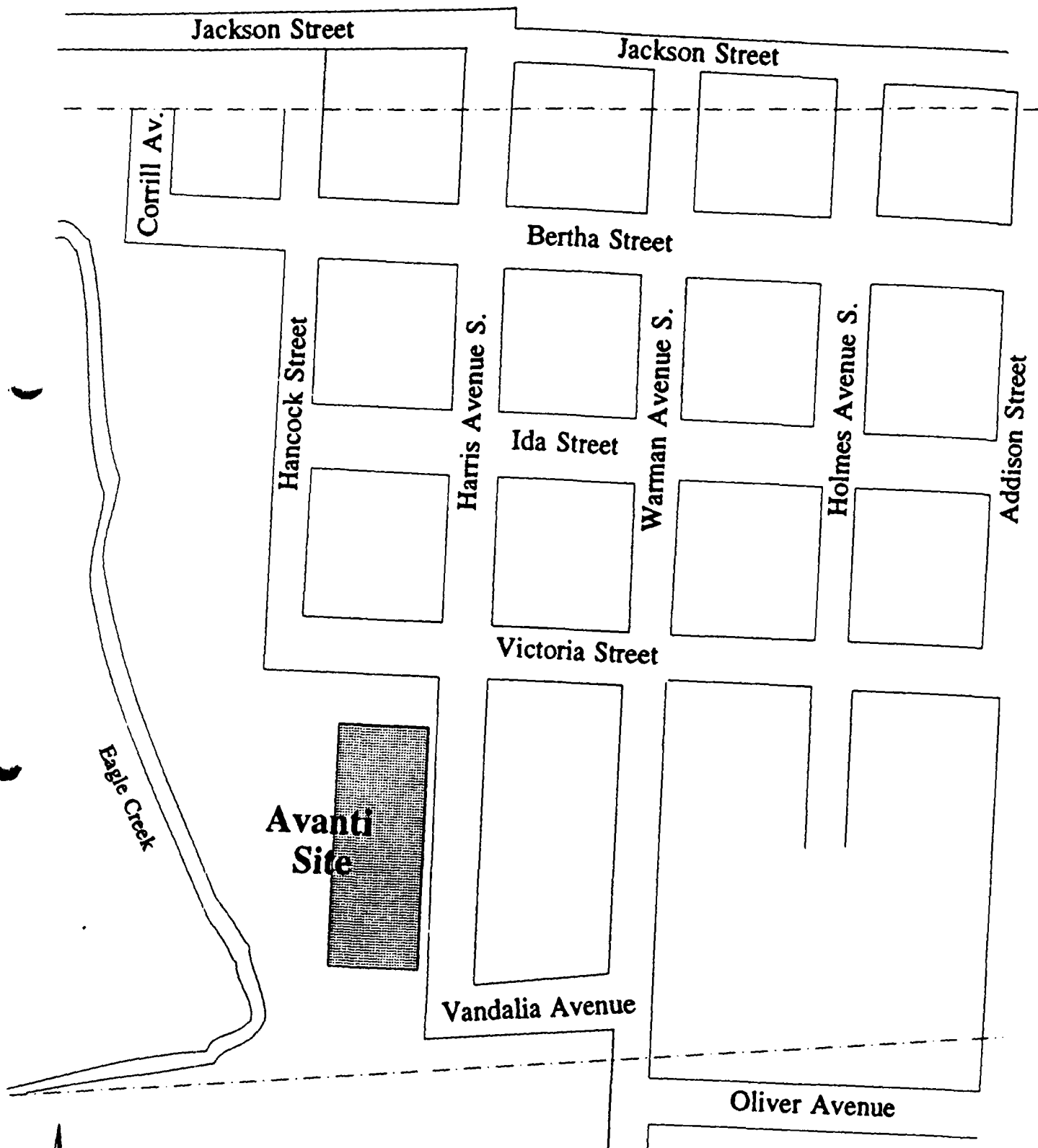
South Corrill Avenue

Twelve individuals from South Corrill Avenue gave blood samples to determine their blood lead levels. Blood lead concentrations ranged from $<10 \mu\text{g/dl}$ to $12 \mu\text{g/dl}$ (see Table 8). No children below the age of seven years were tested. All elevated blood lead levels were confirmed by venipuncture.

Table 8. Number of Blood Lead Tests Above and Below 10 $\mu\text{g}/\text{dl}$ for Individuals Residing on South Corrill Avenue

AGE	# TESTED	BLOOD LEAD <10	BLOOD LEAD >10*
<6	0	0	0
7-14	1	0	1
15-45	4	3	1
>46	7	7	0
Unknown	0	0	0

* All confirmed by venipuncture



Avanti Site Map

--- Railroad Tracks