WEST WARWICK
CORE CITIES DATA 1995-2005

Supplement to:
CHILDHOOD LEAD POISONING IN RHODE ISLAND: THE NUMBERS 2006 EDITION

Rhode Island Department of Health
Childhood Lead Poisoning Prevention Program
December 2006

Healthy Homes
Healthy Children

MAKE HEALTH PART OF YOUR FAMILY
RHODE ISLAND DEPARTMENT OF HEALTH

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The Rhode Island Childhood Lead Poisoning Prevention Program has a strategic plan to eliminate lead poisoning by 2010 http://www.health.ri.gov/lead/family/eliminationplan.pdf. The main objective of this plan is for each city and town to decrease the proportion of new cases of lead poisoning in children under six years of age to less than 5% without decreasing the availability of lead safe, affordable housing.

Over the past eleven years, new cases of lead poisoning in Rhode Island have been concentrated in cities where, according to the 2000 Census, the child poverty rate is greater than 15%. These cities are designated as “core cities” and include Central Falls, Newport, Pawtucket, Providence, West Warwick, and Woonsocket.

For this reason, we are presenting data specific to each of the core cities so that legislators, community leaders, and the public better understand the extent of the lead poisoning problem in these areas.

Eliminating Childhood Lead Poisoning by 2010

In 2004, Rhode Island developed a Plan to Eliminate Childhood Lead Poisoning by the end of 2010. This Plan focuses on promoting primary prevention while maintaining secondary prevention efforts in the state. Primary prevention reduces or eliminates lead hazards in the environment before a child is exposed. Secondary prevention includes universal screening of children to identify those with elevated blood lead levels (BLL), and in turn removing or reducing any further exposure to the child. The Plan also describes the strategic shift from a health approach to a healthy housing approach. Progress toward elimination was to be evaluated by two factors: the incidence of lead poisoning and the availability of lead safe, affordable housing. The lack of comprehensive, quality, housing data makes measuring the housing component infeasible.

To address this need for housing data, the Rhode Island Childhood Lead Poisoning Prevention Program (RI CLPPP) and the state's housing agency, Rhode Island Housing Resources Commission (HRC) established the "Healthy Housing Collaborative," a group composed of housing-related agencies throughout the state.

In addition to establishing the Healthy Housing Collaborative, the two agencies also have agreed to:

- Use the Healthy Housing Collaborative as an advisory board;
- Develop a vision statement for "healthy housing" in the state;
- Conduct a literature review on healthy housing issues;
- Prepare reports on the impact of unhealthy housing on child health and development;
- Assess the benefits associated with improved housing maintenance and building practices;
- Conduct a cost benefit analysis of building and maintaining healthy homes;
- Conduct an assessment of state resources currently allocated to healthy housing; and
- Conduct an assessment of major strategic plans in the state to identify overlapping goals and opportunities for partnership and collaboration.

With this new strategy in place, Rhode Island has formulated measures for reporting progress towards its goal. With input from RI CLPPP's Advisory Committee, the Environmental Lead Interagency Council, and other partners, RI CLPPP has developed its strategy, detailed on the next page.

Goal: To eliminate childhood lead poisoning in Rhode Island by the end of 2010.

Milestone: To decrease the number of new cases of lead poisoning (BLL of ≥10 µg/dL) in children under six years of age in Rhode Island without displacing children, decreasing screening rates, or decreasing access to affordable housing.

Four Measures That Will Jointly Determine Progress In The Elimination Goal:

Decrease in the number of new cases of lead poisoned children (BLL ≥10 µg/dL) in the state from 621 at the end of 2005 to:

- 520 at the end of 2006
- 420 at the end of 2007
- 320 at the end of 2008
- 220 at the end of 2009
- 120 at the end of 2010[1]

Maintenance of screening rates[2] as follows:

- Maintaining the number of 18-month-old children screened for lead at least once, at 70% or more.
- Maintaining the number of 36-month-old children screened for lead at least twice, a minimum of 12 months apart at 40% or more.

Availability of affordable housing, to be measured by:

- Developing proxies to measure affordable housing by the end of 2006. Potential measures may include the number of subsidized housing units by city and town, and the progress made by cities and towns on achieving affordable housing goals.
- Utilizing those proxy measures by the end of 2007.
- Refining measures of affordable housing by the end of 2008, and continuing to use these measures through 2010.

The number of children who are displaced shall be measured by public data sets such as KIDSNET data and free school lunch.

[1] No further Rhode Island cases of lead poisoning will be identified after January 1, 2011.
[2] These screening rates are calculated for a specific birth cohort. Data included here are for the 2001 birth cohort.

REPORT

RI CLPPP will prepare an annual report that will include data on each of the above measures to assess progress made towards its goal to eliminate lead poisoning. The Annual Report will be issued in May 2007 for the first time and each May thereafter. This report will also acknowledge cities and towns that are working towards the elimination goal. Cities and towns will be recognized as having taken steps towards the elimination of lead poisoning when they:

1. Provide the Rhode Island Department of Health and the Housing Resources Commission with an electronic annual report that includes a list of addresses of units in their jurisdiction considered to be low and moderate-income housing. These reports can be submitted in conjunction with updated reports submitted to the Housing Resources Commission under the Low and Moderate Housing Act.

2. Provide the Rhode Island Department of Health and the Housing Resources Commission with a standardized electronic file of unique addresses, with homeownership status for all properties/units. Addresses must be compatible with Geographic Information Systems (GIS) software.

3. Identify ways to obtain an electronic version of addresses of homes in Rhode Island that are subsidized by Housing and Urban Development (HUD).

4. Work with the Rhode Island Department of Health and the Housing Resources Commission to gather the above-mentioned data in a housing surveillance system.

Understanding Blood Lead Levels

What is a level of concern?

A level of concern is the threshold used to define an elevated blood lead level. Children with a blood lead level greater than the level of concern (i.e. children with an elevated blood lead level) should be monitored and re-tested. Primary prevention activities, such as community-wide environmental interventions and nutritional and educational campaigns, should be directed at reducing children's blood lead levels below the level of concern. In 1991, the CDC set the level of concern at a blood lead level ≥10 µg/dL.

Should we lower the blood lead level of concern?

In response to questions about whether to change the level of concern based on recent research that found that blood lead levels lower than 10 µg/dL can have harmful effects,[3, 4] CDC has prepared the following statement, which can be found on the CDC website at http://www.cdc.gov/lead/qanda.htm:

"Recent studies suggest that adverse health effects exist in children at blood lead levels less than 10 µg/dL. In the past the CDC has lowered the level considered elevated in response to similar reports. However, at this time the reasons not to lower the level of concern are as follows:

- No effective clinical interventions are known to lower the blood lead levels for children with levels less than 10 µg/dL or to reduce the risk for adverse developmental effects.
- Children cannot be accurately classified as having blood lead levels above or below a value less than 10 µg/dL because of the inaccuracy inherent in laboratory testing.
- Finally, no evidence exists of a threshold below which adverse effects are not experienced. Thus, any decision to establish a new level of concern would be arbitrary and provide uncertain benefits.

These studies support making primary prevention of childhood lead poisoning a high priority for health, housing, and environmental agencies at the state, local, and federal levels."

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[3] Canfield RL, Henderson CR, Cory-Slechta DA, Cox C, Jusko TA, Lanphear BP. Intellectual impairment in children with blood lead concentrations below 10mcg per Deciliter. New England Journal of Medicine 2003; 348:1517-26.

[4] Selevan SG, Rice DC, Hogan KA, Euling SY, Pfahles-Hutchens A, Bethel J. Blood Lead Concentration and Delayed Puberty in Girls. New England Journal of Medicine 2003; 348:1527-36.

What is an action level?

An action level is the threshold at which interventions should be implemented based on evidence that the interventions are effective. It is impossible to define one action level for all interventions, so various action levels trigger different interventions. According to CDC guidelines, community prevention activities, such as nutritional and educational campaigns, should be implemented at blood lead levels ≥10 µg/dL, and individual prevention activities, such as case management and environmental investigations, should be implemented at blood lead levels ≥15 µg/dL.[5] For example, while the overall goal is to reduce children's blood lead levels below 10 µg/dL, there are reasons for not implementing individual, environmental, and medical interventions for children with blood lead levels between 10 and 14 µg/dL:

- Effective environmental and medical interventions for children with blood lead levels in this range have not yet been identified.
- Given limited resources, the sheer number of children in this range would preclude effective case management and would detract from the individualized follow-up required by children with higher blood lead levels.

Lead Action Levels in Rhode Island

The guidelines issued by CDC were used to define various action levels in Rhode Island. The different action levels are detailed in the table below.

Category	Action Level	Action
Elevated Blood Lead Level	One BLL between 10-14 µg/dL	***Capillary*** Letter sent to Primary Care Provider recommending venous test to confirm the BLL* ***Venous*** Letter sent to family inviting them to request a home visit through the Family Outreach Program*
	One BLL between 15-19 µg/dL	***Capillary*** Letter sent to Primary Care Provider recommending venous test to confirm the BLL ***Venous*** Family is referred to a lead center** for an in-home lead education visit and some environmental intervention (i.e. temporary lead hazard control measures, window replacement)
Significant Lead Poisoning	One Venous BLL 20 µg/dL or Two BLLs (Capillary or Venous) 15-19 µg/dL done 90-365 days apart***	Family is referred to a lead center for an in-home lead education visit and is offered an environmental inspection.

* In addition to the actions described, a letter is sent to families living in Providence ONLY, informing them that they can contact the city of Providence for a free environmental inspection of their home.

** A lead center is a non-profit agency funded by Medicaid that offers comprehensive non-medical case management services to families of children with lead poisoning.

*** Two venous blood lead levels 15-19 µg/dL done between 90 and 365 days apart may also be referred to as "Persistent Lead Poisoning." As of January 1, 2006 the definition of persistent lead poisoning is defined as two VENOUS blood lead levels 15-19 µg/dL done 90-365 days apart.

[5] CDC. Preventing Lead Poisoning in Young Children. Atlanta: U.S. Department of Health and Human Services, 1991.

Understanding the Lead Data

In Rhode Island, health care providers are required by law to annually screen their patients between nine months and six years of age for lead poisoning. The screening process involves collecting a sample of blood from the child, either from a capillary (finger stick) or a vein (venous test), and analyzing the blood to determine the amount of lead in the sample. Blood lead levels (BLL) are measured and reported as micrograms of lead per deciliter of blood (µg/dL or mcg/dL).

The data presented in this report are based on all blood lead results, both capillary and venous, performed on children from birth to six years of age in the state of Rhode Island.[6] Although the guidelines recommend that children begin to be screened at nine months of age, some children may be screened earlier if they are at high risk for lead poisoning. For the incidence and prevalence analyses, each child is represented once per year in which he was screened.

Confirmed Tests in 2005

Prior to July 1, 2004, if a child under the age of six had a capillary blood lead test result ≥20 µg/dL, the Rhode Island Department of Health would recommend that the child have a confirmatory venous test within three months. On July 1, 2004, the Rhode Island Department of Health revised the Lead Screening and Referral Guidelines and began recommending a confirmatory venous test for any child under the age of six who had a capillary blood lead level ≥10 µg/dL (instead of ≥20 µg/dL). The Rhode Island Department of Health is also recommending that only venous tests be used for confirmatory testing purposes.

Since these changes went into effect in July 2004, the first full year for which RI CLPPP has confirmed capillary test data is 2005. As a result, 2005 data presented in this document are based on venous tests and confirmed capillary tests only. The data presented for previous years are based on all venous and capillary tests.

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[6]Given that calculations in this document are based on screening data rather than population data for all children under the age of six, the numbers presented here are estimates.

Compliance with Screening Guidelines

All Rhode Island children between nine months and six years of age are required by law to be screened for lead poisoning annually. Compliance with these guidelines is assessed by measuring a) the proportion of children born in a given year (birth cohort) with at least one blood lead test by 18 months of age and b) the proportion of children born in a given year with at least two blood lead tests, a minimum of 12 months apart, by 36 months of age.

One Screening Test by 18 Months of Age

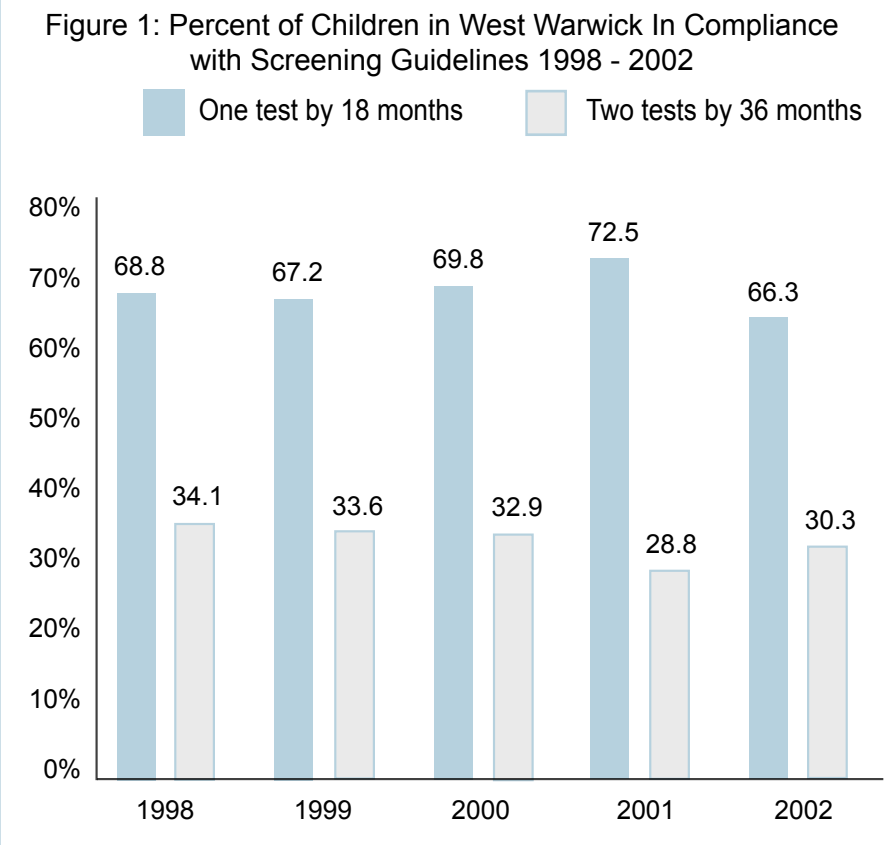
Screening children by 18 months of age is important to promptly identify children with elevated blood lead levels and offer interventions. Rhode Island has one of the highest screening rates in the nation. Approximately 70% of children in RI are screened at least once by 18 months of age. This rate has been consistent between 1998 and 2002, the year for which we have the most recent data. The screening rates among children 18 months of age in West Warwick were slightly lower than the screening rates statewide between 1998-2001.

Two Screening Tests by 36 Months of Age

Compliance with the screening guidelines decreases as children get older. The statewide screening rate drops to approximately 40% when looking at the percent of children with two screening tests, at least 12 months apart, by 36 months of age. This rate has been consistent between 1998 and 2002, the year for which we have the most recent data. The average screening rate among children 36 months of age in West Warwick is 32%, approximately 8% lower than the statewide screening rate for children in this age group.

A variety of outreach efforts have been made to achieve this high rate of screening, such as sending reminders to parents to have their children tested at the 12 month well-child visit and providing pediatric practices with lists of unscreened children in their practices between the ages of 22 and 24 months. In addition, many pediatric practices have access to KIDSNET, an electronic database containing preventive health information for all children born in the state since 1997. KIDSNET allows doctors to monitor lead screening rates in their practices.

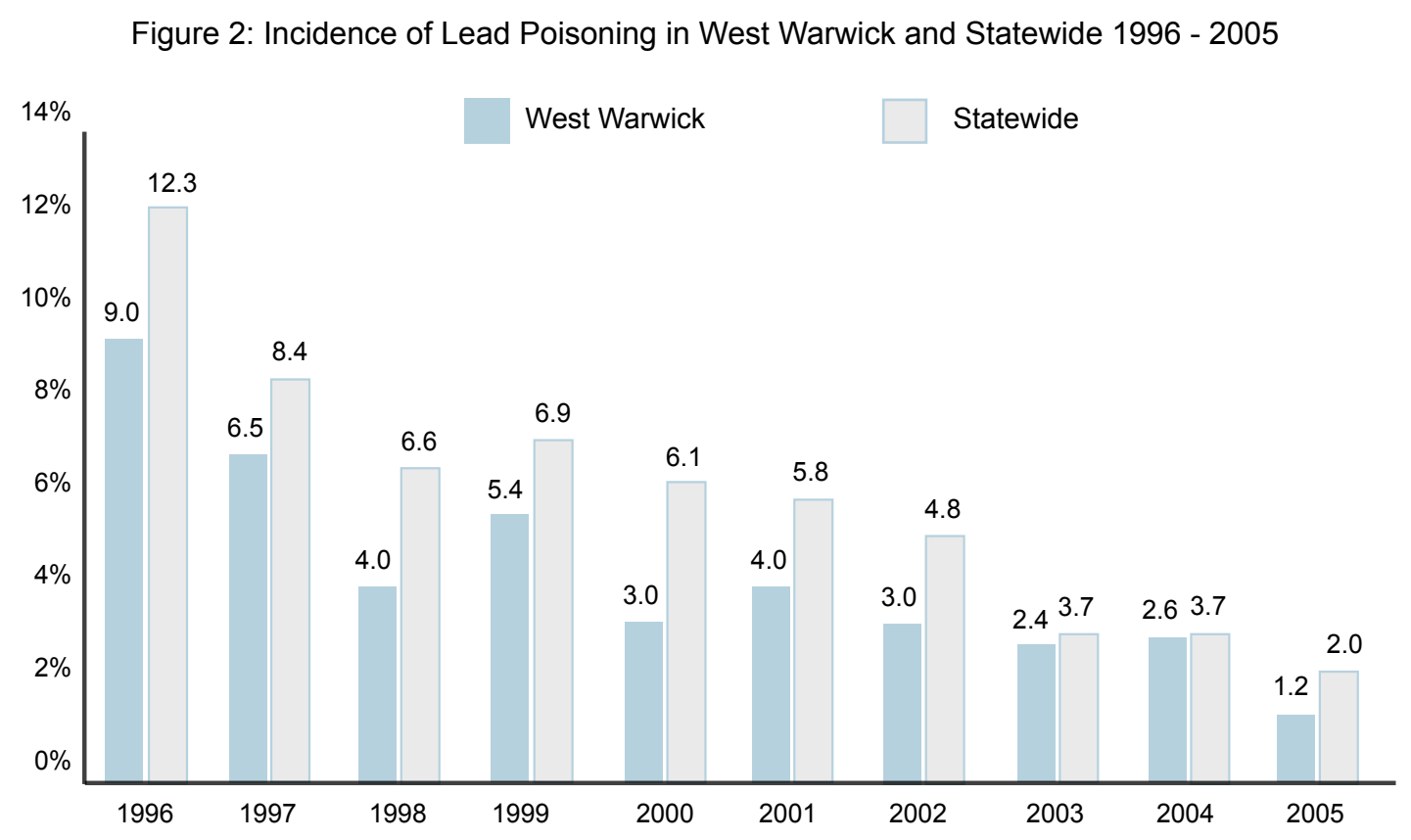
Although the majority of the population is being screened, efforts must continue to focus on screening children after 18 months of age.



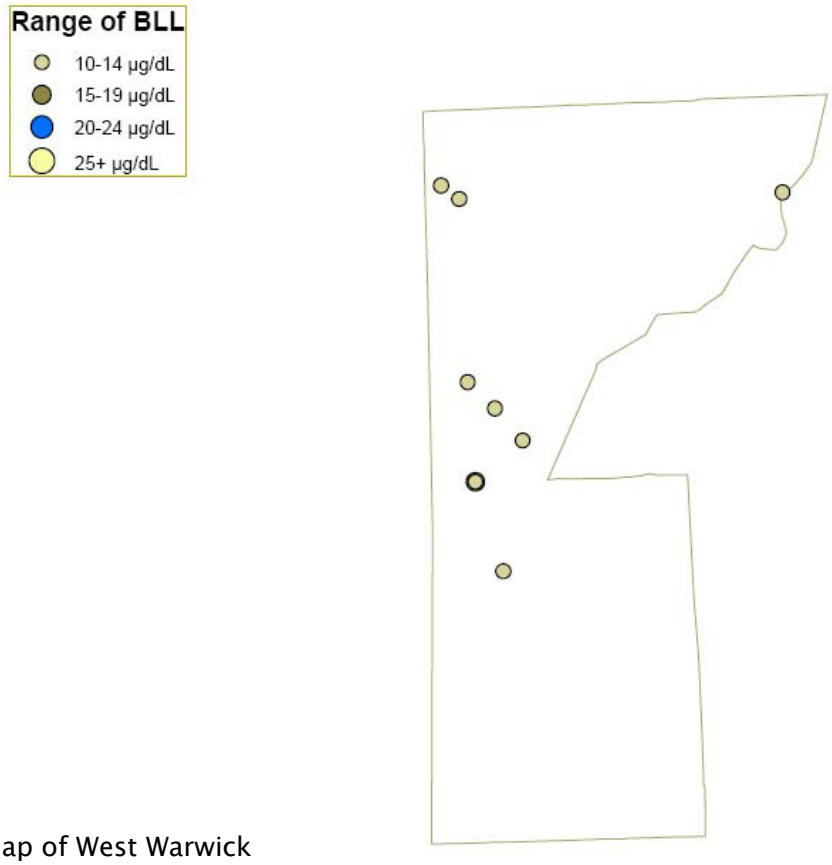
Incidence of Lead Poisoning

The Department of Health tracks and reports the number of newly lead poisoned children (blood lead level ≥10 µg/dL) among children less than six years of age who have never had an elevated blood lead level in the past. This is known as the incidence rate.

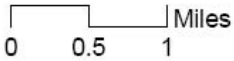
Over the past ten years, the proportion of new cases of lead poisoning among children in West Warwick has declined from 9.1% in 1996 to 1.2% in 2005. This decline is consistent with the statewide trend over the last decade. Although the rates of lead poisoning in West Warwick are lower than the state average, ten children living in West Warwick were lead poisoned for the first time in 2005.



Incidence of Lead Poisoning in West Warwick 2005



City Map of West Warwick



RIGIS
HEALTHgis
Rhode Island Department of Health
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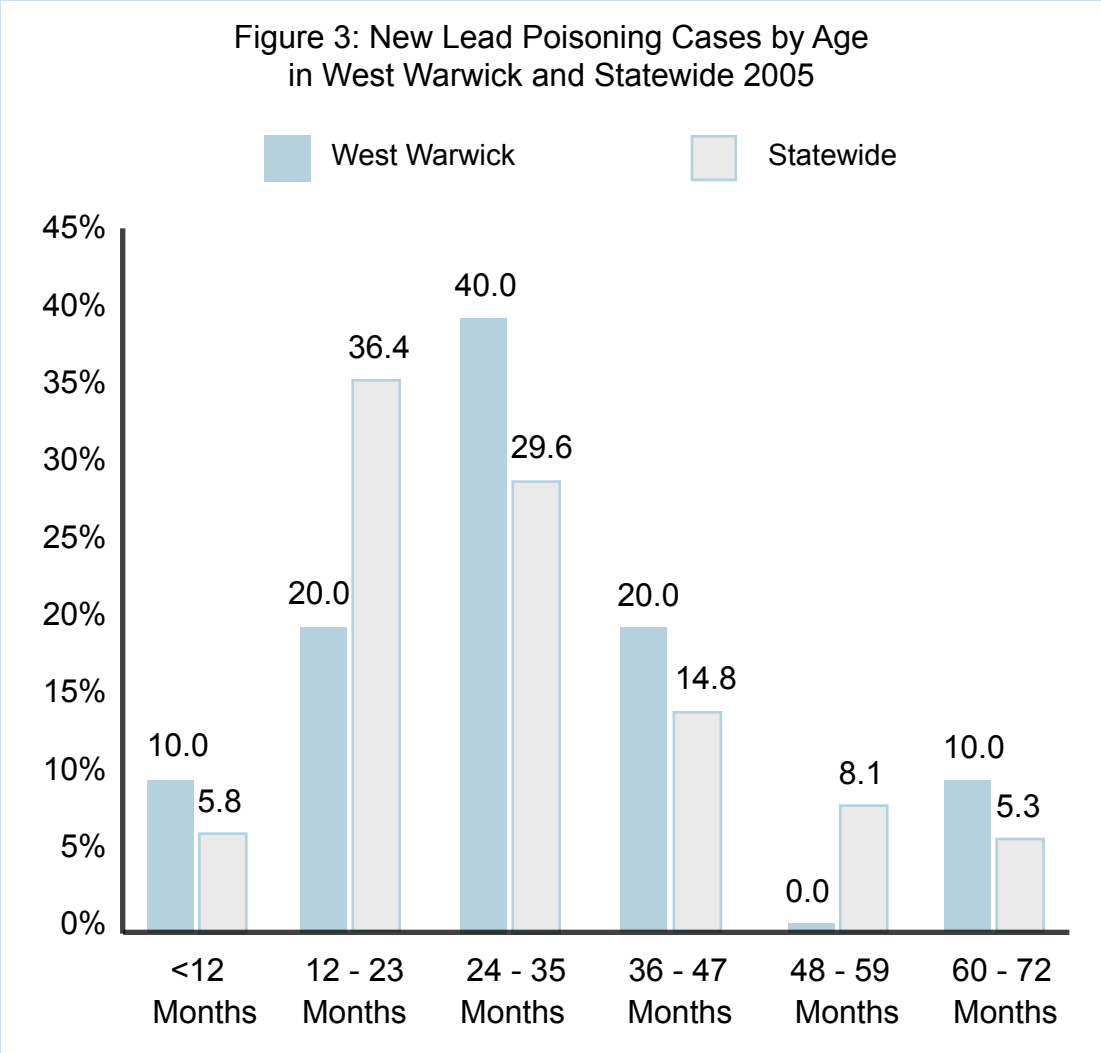
Data Source: RI Lead Elimination Surveillance System

Incidence of Lead Poisoning by Age

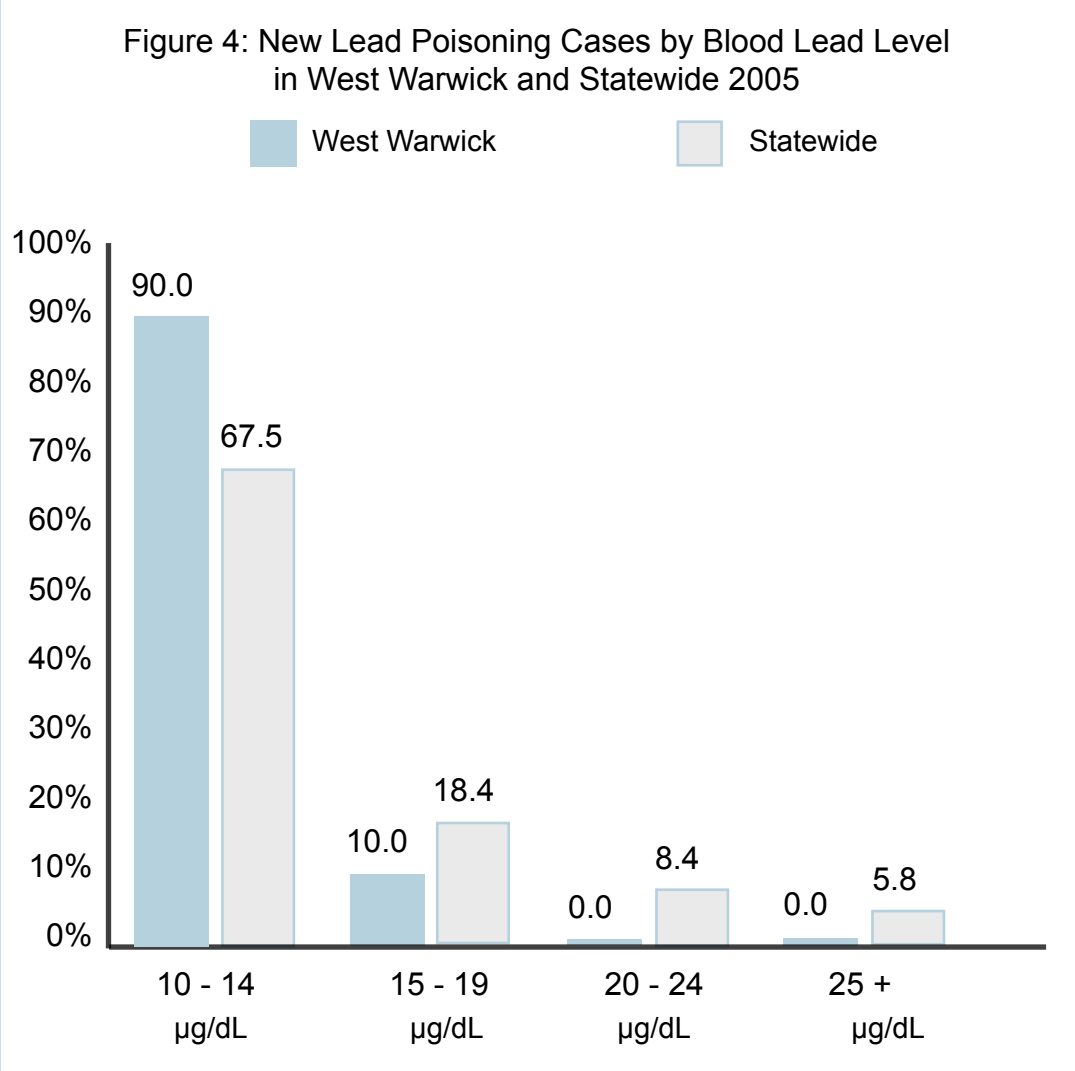
The Department of Health tracks and reports the number of newly lead poisoned children (blood lead level ≥10 µg/dL) among children less than six years of age who have never had an elevated blood lead level in the past. This is known as the incidence rate.

Over the past ten years, the proportion of new cases of lead poisoning among children in West Warwick has declined from 9.1% in 1996 to 1.2% in 2005. This decline is consistent with the statewide trend over the last decade. Although the rates of lead poisoning in West Warwick are lower than the state average, ten children living in West Warwick were lead poisoned for the first time in 2005.



Incidence of Lead Poisoning by Blood Lead Level

The percentage of newly lead poisoned children by blood lead level in West Warwick in 2005 follows the same trend as the statewide percentage. In West Warwick, as well as statewide, lead poisoning is being detected among the majority of children when their blood lead levels are in the 10-14 µg/dL range. In West Warwick, 9 of the 10 children lead poisoned in 2005 had a blood lead level less than or equal to 14µg/dL. This indicates that screening practices are successfully identifying the majority of children with elevated blood lead levels before they become highly elevated.

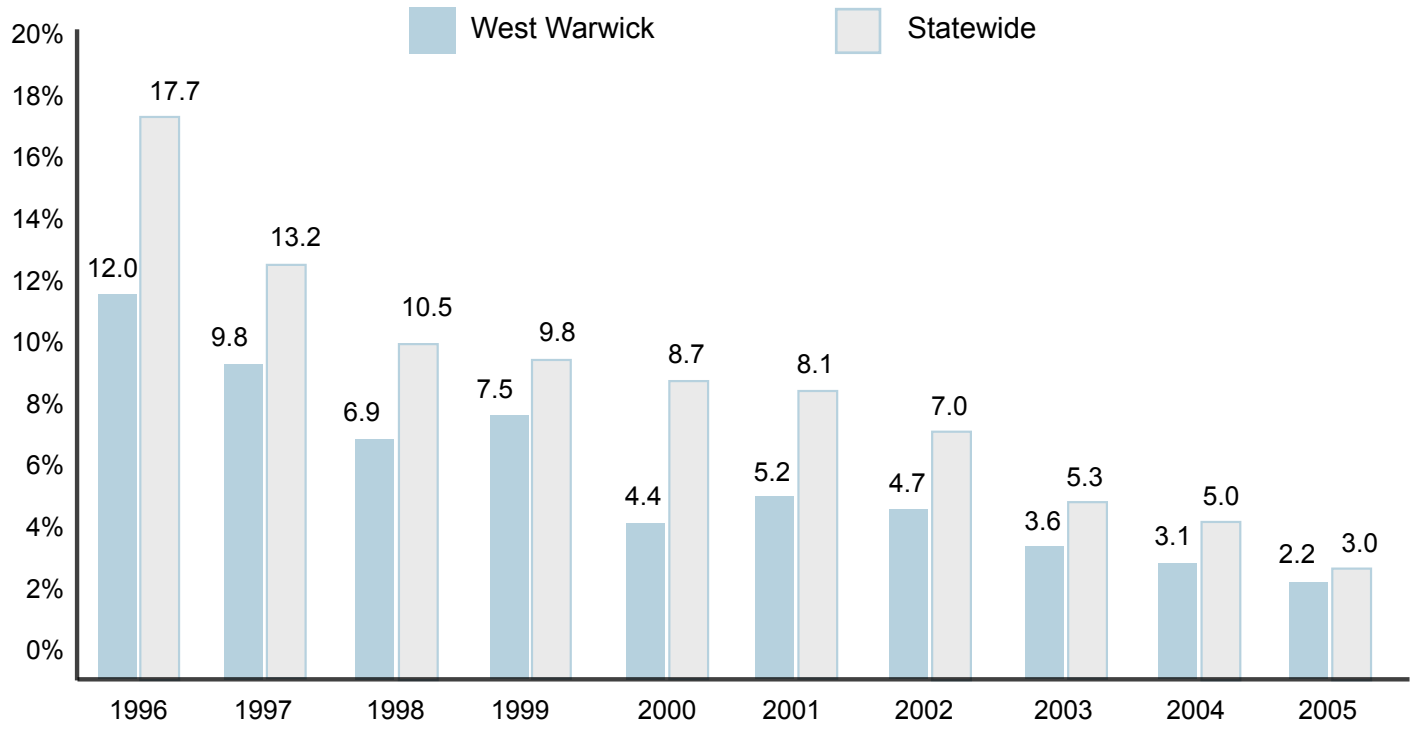


Prevalence of Lead Poisoning

The Rhode Island Department of Health calculates the prevalence of lead poisoning annually. Prevalence is the proportion of children with a blood lead level ≥10 µg/dL in a given year. This includes newly lead poisoned children, as well as lead poisoned children who were diagnosed in previous years.

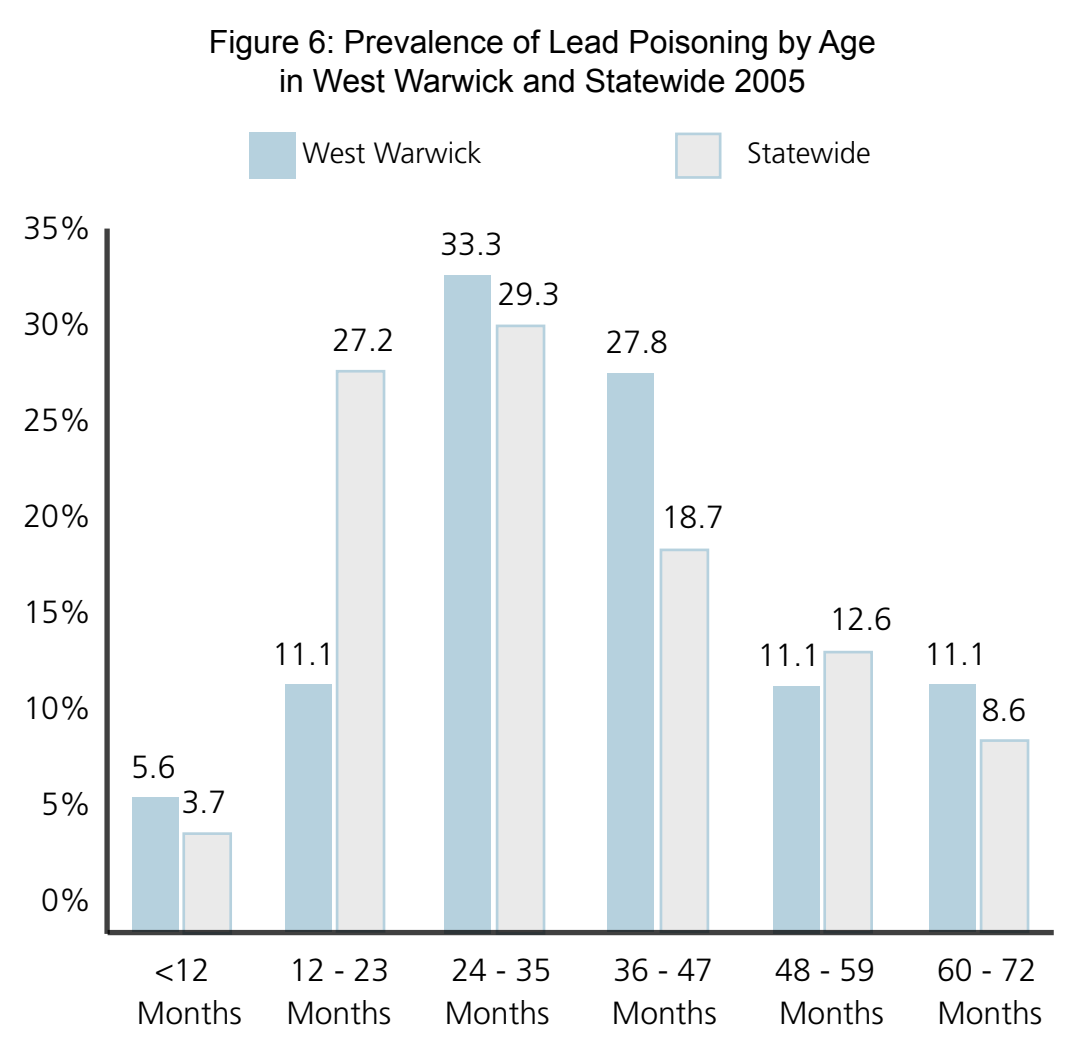
Over the past ten years, the prevalence of lead poisoning among children in West Warwick has declined from 12% in 1996 to 2.2% in 2005. This decline is consistent with the statewide trend over the last decade. Although the prevalence of lead poisoning in West Warwick is lower than the statewide average, eighteen children living in West Warwick had lead poisoning in 2005.

Figure 5: Prevalence of Lead Poisoning in West Warwick and Statewide 1996 - 2005



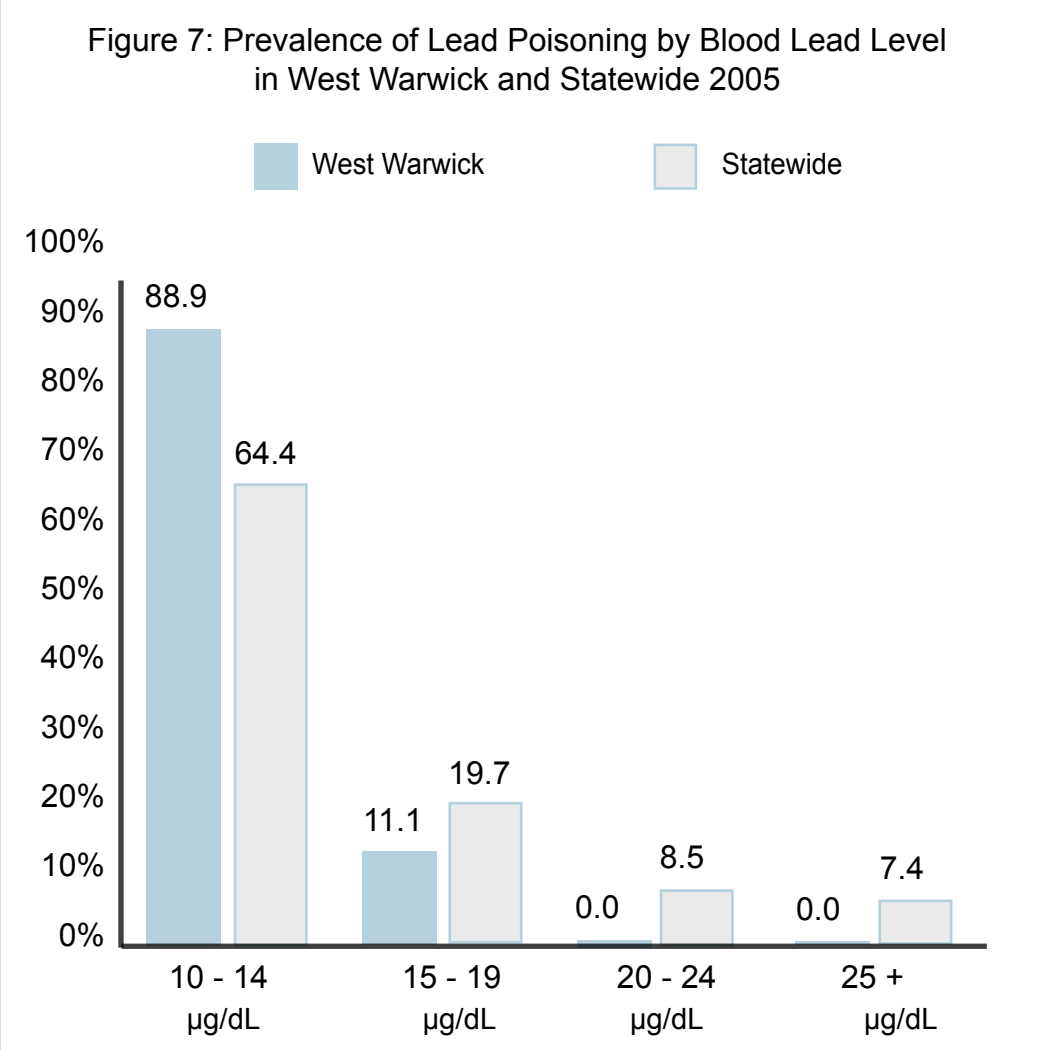
Prevalence of Lead Poisoning by Age

The percentage of children with lead poisoning by age in West Warwick in 2005 is similar to the statewide percentage, with the majority of lead poisoning affecting two and three-year-old children. Six of the eighteen lead poisoned children were two years of age and five were three years of age. One child under the age of one had lead poisoning, and two one-year-old children had lead poisoning. The remaining four cases of lead poisoning were split among four and five-year-old children.



Prevalence of Lead Poisoning by Blood Lead Level

The prevalence of lead poisoning by blood lead level in West Warwick in 2005 generally follows the statewide distribution, with the majority of cases having blood lead levels in the 10-14 µg/dL range. This indicates that among children who are lead poisoned, few have blood lead levels above 14 µg/dL.



Environmetal Inspections Offered

In Rhode Island, comprehensive environmental inspections are offered to families of children who have an environmental intervention blood lead level (EIBLL)[7]. Families are offered an environmental inspection at no cost. The landlord's permission is neither required nor sought for the inspection to occur.

Although inspections are offered to all children with environmental intervention blood lead levels, the inspections may not be performed if the family does not respond to letters or phone calls, or if the family refuses the inspection. If the child moves before the inspection is offered and/or performed, the family is offered an inspection at their new address, and a letter is sent to the previous address informing the new occupants that if they have children under six years of age residing at the address, they can receive a free inspection.

In 2005, no inspections were offered to families in West Warwick.

For more detailed information about environmental inspections offered between 2001 and 2005, see Figure 8.

Figure 8: Environmental Inspections Offered in West Warwick 2001-2005[8]

	2001	2002	2003	2004	2005
Inspections Offered	**10**	**4**	**2**	**3**	**0**
Child moved	1	0	0	0	0
No response to letters and calls	0	0	0	0	0
Inspection refused	1	0	1	0	0
Pending Inspection	0	0	0	0	0
Inspections Performed	**8**	**4**	**1**	**3**	**0**

[7] EIBLL is defined as a venous blood lead level >= 20 µg/dL in a child under six years of age, or two blood lead tests from a child under six years of age, done between 90 and 365 days apart, with a blood lead level >= 15 µg/dL. EIBLL is synonymous with significant lead poisoning.

[8] Based on data generated March 13, 2006.

Status of Environmetal Inspections

An environmental case is opened for each child with an environmental intervention blood lead level who receives an inspection. Once the case is opened, the Rhode Island Department of Health works with the property owner until the entire property, including the interior, exterior, and soil, are abated and free of lead hazards.

In some instances, cases are closed before abatement is complete. This can occur if the parent of the child is the owner of the property or if the property is no longer regulated, such as illegal apartments that have been dismantled, properties that have been converted to commercial use, or properties that have been razed.

There were no environmental cases opened in West Warwick in 2005

For a breakdown of the status of cases opened in 2001-2005, see Figure 9.

Figure 9: Status of Environmental Inspections Offered in West Warwick 2001-2005[9]

	2001	2002	2003	2004	2005
Closed Cases	**8**	**3**	**1**	**3**	**0**
No lead hazard found	1	0	0	0	0
No longer regulated	0	0	0	0	0
Parent is owner of property, case closed after 90 days	2	2	0	1	0
Abatement complete excluding soil remediation	0	0	0	0	0
Lead hazard completely abated	5	1	1	2	0
Ongoing Cases	**0**	**1**	**0**	**0**	**0**
Abatement complete excluding soil remediation	0	1	0	0	0
Exterior abated, interior pending	0	0	0	0	0
Interior abated, exterior pending	0	0	0	0	0
Enrolled or enrolling in a HUD program, waiting abatement	0	0	0	0	0
Various stages of abatement	0	0	0	0	0
Total Cases	**8**	**4**	**1**	**3**	**0**

[9] Based on data generated March 13, 2006.

Table1: Percent of Children in West Warwick In Compliance with Screening Guidelines 1998 - 2002

Year born	Number of children born	Number of children screened at least once by 18 months of age	Number of children screened at least twice, a minimum of 12 months apart, by 36 months of age
1998	378	260 (68.8%)	129 (34.1%)
1999	366	246 (67.2%)	123 (33.6%)
2000	401	280 (69.8%)	132 (32.9%)
2001	393	285 (72.5%)	113 (28.8%)
2002	383	254 (66.3%)	116 (30.3%)

Table 2A: Incidence of Lead Poisoning in West Warwick 1996 - 2005

Year	Number of children with BLL ≥10 µg/dL for the first time	Number of children screened with no previous elevated BLL	Incidence
1996	60	664	9.0%
1997	49	755	6.5%
1998	32	804	4.0%
1999	42	773	5.4%
2000	22	731	3.0%
2001	34	847	4.0%
2002	26	869	3.0%
2003	19	800	2.4%
2004	21	817	2.6%
2005	10	808	1.2%

Table 2B: Incidence of Lead Poisoning Statewide 1996 - 2005

Year	Number of children with BLL ≥10 µg/dL for the first time	Number of children screened with no previous elevated BLL	Incidence
1996	3,368	27,297	12.3%
1997	2,369	28,125	8.4%
1998	1,870	28,170	6.6%
1999	2,025	29,187	6.9%
2000	1,740	28,419	6.1%
2001	1,857	31,848	5.8%
2002	1,535	31,954	4.8%
2003	1,161	31,579	3.7%
2004	1,167	31,610	3.7%
2005	621	31,669	2.0%

Table 3A: New Lead Poisoning Cases by Age in West Warwick 2005

Age	Number of children with BLL ≥10 µg/dL for the first time	Percent of children with BLL ≥10 µg/dL for the first time
<12 months	1	10.0%
12-23 months	2	20.0%
24-35 months	4	40.0%
36-47 months	2	20.0%
48-59 months	0	0.0%
60-72 months	1	10.0%
Total	**10**	**100.0%**

Table 3B: New Lead Poisoning Cases by Age Statewide 2005

Age	Number of children with BLL ≥10 µg/dL for the first time	Percent of children with BLL ≥10 µg/dL for the first time
<12 months	36	5.8%
12-23 months	226	36.4%
24-35 months	184	29.6%
36-47 months	92	14.8%
48-59 months	50	8.1%
60-72 months	33	5.3%
Total	**621**	**100.0%**

Table 4A: New Lead Poisoning Cases by Blood Lead Level in West Warwick 2005

Blood Lead Level	Number of children with elevated BLL for the first Ttme	Percent of children with BLL ≥10 µg/dL for the first time
10-14 µg/dL	9	90.0%
15-19 µg/dL	1	10.0%
20-24 µg/dL	0	0.0%
25+ µg/dL	0	0.0%
Total	**10**	**100.0%**

Table 4B: New Lead Poisoning Cases by Blood Lead Level Statewide 2005

Blood Lead Level	Number of children with elevated BLL for the first time	Percent of children with BLL ≥10 µg/dL for the first time
10-14 µg/dL	419	67.5%
15-19 µg/dL	114	18.4%
20-24 µg/dL	52	8.4%
25+ µg/dL	36	5.8%
Total	**621**	**100.0%**

Table 5A: Prevalence of Lead Poisoning
in West Warwick 1996 - 2005

Year	Number of children with BLL ≥10 µg/dL	Number of children screened	Prevalence
1996	90	750	12.0%
1997	83	851	9.8%
1998	61	887	6.9%
1999	62	823	7.5%
2000	34	773	4.4%
2001	46	884	5.2%
2002	43	917	4.7%
2003	30	834	3.6%
2004	26	848	3.1%
2005	18	834	2.2%

Table 5B: Prevalence of Lead Poisoning
Statewide 1996 - 2005

Year	Number of children with BLL ≥10 µg/dL	Number of children screened	Prevalence
1996	5,843	32,996	17.7%
1997	4,446	33,647	13.2%
1998	3,437	32,684	10.5%
1999	3,208	32,816	9.8%
2000	2,741	31,382	8.7%
2001	2,813	34,865	8.1%
2002	2,450	34,835	7.0%
2003	1,811	34,130	5.3%
2004	1,685	33,839	5.0%
2005	981	33,156	3.0%

Table 6A: Prevalence of Lead Poisoning by Age in West Warwick 2005

Age	Number of children with BLL ≥10 µg/dL	Percent of children with BLL ≥10 µg/dL
<12 months	1	5.6%
12-23 months	2	11.1%
24-35 months	6	33.3%
36-47 months	5	27.8%
48-59 months	2	11.1%
60-72 months	2	11.1%
Total	**18**	**100.0%**

Table 6B: Prevalence of Lead Poisoning by Age Statewide 2005

Age	Number of Children with BLL ≥10 µg/dL	Percent of Children with BLL ≥10 µg/dL
<12 months	36	3.7%
12-23 months	267	27.2%
24-35 months	287	29.3%
36-47 months	183	18.7%
48-59 months	124	12.6%
60-72 months	84	8.6%
Total	**981**	**100.0%**

Table 7A: Prevalence of Lead Poisoning by Blood Lead Level in West Warwick 2005

Blood Lead Level	Number of children with elevated BLL	Percent of children with BLL ≥10 µg/dL
10-14 µg/dL	16	88.9%
15-19 µg/dL	2	11.1%
20-24 µg/dL	0	0.0%
25+ µg/dL	0	0.0%
Total	**18**	**100.0%**

Table 7B: Prevalence of Lead Poisoning by Blood Lead Level Statewide 2005

Blood Lead Level	Number of children with elevated BLL	Percent of children with BLL ≥10 µg/dL
10-14 µg/dL	632	64.4%
15-19 µg/dL	193	19.7%
20-24 µg/dL	83	8.5%
25+ µg/dL	73	7.4%
Total	**981**	**100.0%**

GLOSSARY

Abatement
An activity that reduces the risk of human exposure to lead.

BLL
Blood lead level.

Elevated Blood Lead
One blood lead test result between 10-19 µg/dL.

EIBLL
Environmental Intervention Blood Lead Level. Synonymous with Significant Lead Poisoning.

Incidence
The proportion of new cases of a disease that develops during a specified period of time among the population at risk for developing the disease. For example, the incidence of lead poisoning in Rhode Island in 2005 is the proportion of children with a first-time elevated blood lead level among those at risk for developing lead poisoning (i.e. children under age 6 who have never been lead poisoned in the past).

Lead Center
A non-profit agency funded by Medicaid that offers comprehensive case management services to families of children with lead poisoning.

Lead Safe
A condition where a surface, material, substance, or medium (water, soil, dust) has environmental lead levels in the permissible range, as defined by the Rhode Island regulations, and/or does not contain lead in a condition that is readily accessible to children under six years of age. A lead-safe condition does not require lead hazard reduction, but does require routine maintenance and an annual re-inspection.

Lead Hazard Mitigation Law
Legislation introduced by Senator Thomas Izzo, which passed and became law in June 2002. The law modified the Lead Poisoning Prevention Act and established standards for the maintenance of pre-1978 rental property in Rhode Island.

NOV
Notice of violation. A notice for owners of regulated facilities to abate any significant environmental lead hazards in accordance with the Regulations upon receipt of notice of significant environmental lead hazards following an environmental lead inspection or lead assessment.

Prevalence
The proportion of people in a population who have a given disease at a specific point in time. For example, prevalence of lead poisoning in 2005 is the proportion of children who had an elevated blood lead level in 2005.

Razed
Demolished or leveled to the ground. Premises are no longer regulated by RI CLPPP if all buildings and structures on the premises are razed.

RI CLPPP
The Rhode Island Childhood Lead Poisoning Prevention Program. The program is a collaboration of three Divisions in the Rhode Island Department of Health: Family Health, Environmental Health, and the Laboratory.

GLOSSARY

Screening
Mandatory test that involves collecting a blood sample from a child under the age of six who does not show any signs or symptoms of lead poisoning, either through a finger stick or a venipuncture, and then analyzing the sample to determine the amount of lead in the child's blood.

Significant Lead Poisoning
A venous blood lead level ≥20 µg/dL in a child under six years of age, or two BLLs (capillary or venous) 15-19 µg/dL from a child under six years of age, done between 90 and 365 days apart.

µg/dL
Micrograms per deciliter of blood. The measurement used to estimate the amount of lead in a sample of blood. This measure is sometimes represented as mcg/dL.

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