Pennsylvania Childhood Lead Surveillance Program

2011 Annual Report

www.health.state.pa.us/lead

The Pennsylvania Childhood Lead Surveillance Program (CLSP)
Pennsylvania Department of Health
Health & Welfare Building
625 Forster St.
Harrisburg, PA 17120

Phone: 717-772-2762
Fax: 717-772-0323

Joseph Foner, Public Health Program Administrator
Susan Guy, Program Analyst

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EXECUTIVE SUMMARY

This is the fifth Lead Surveillance Annual Report produced by the Pa. Childhood Lead Surveillance Program. Prior reports (for years 2007-10) are available on the Department of Health (DOH) website at www.health.state.pa.us/lead. The data for the 2010 Annual Report were extracted from the Pennsylvania National Electronic Disease Surveillance System (PA-NEDSS)[1] on May 7, 2012. However, data related to age of housing and population were extracted from the U.S. Census Bureau's 2010 Census summary file tables, located at http://www.census.gov.

This report is also the second in a series of three transitional annual reports. The 2010 Annual Report included a number of new reports and more in-depth analyses. Included for 2011 are additional new reports and analyses, placed in the beginning of the report for easy reference. The 2011 Annual Report has incorporated the 2010 Census figures for the age of housing and population. This new data allowed for the updating of a number of reports and gives a more accurate picture of population and housing information, as well as testing percentages and the proportion of various age groups in the population. As the program transitions from a focus on lead poisoning prevention to Lead and Healthy Homes, the report for 2012 will create new opportunities for analysis of additional data variables.

As has been the case in each successive year of PA-NEDSS' existence, more children were reported to have been tested for lead in 2011 than in any previous year. In 2011, there were 150,979 Pennsylvania children less than 7 years of age[2] reported to have been tested for lead. Of those children, 1,950 (1.29 percent) were reported to have confirmed elevated blood lead levels (EBLLs).[3] Because of the program's focus on children under 3 years of age,[4] that age cohort has the highest testing rate. Over 25 percent of Pennsylvania's population under 3 years of age was tested for lead in 2011, compared to a testing rate of less than 15 percent for children under 7 years of age.

While overall reporting to PA-NEDSS has improved, reporting on race continues to be problematic. Patient race was reported as "unknown" or left blank for more than two-thirds of the children reported to have been tested for lead in 2011. Given that under one-third of the patient race data is known, it is difficult to perform analysis that is either meaningful or statistically reliable. With that much information unknown, the data is susceptible to high variance and may not be representative of the overall population.

The portion of the data that is known shows the following: In 2011, of the 150,979 children under 7 reported as tested for lead, 29,751 (19.71 percent) were reported as white or Caucasian, and 14,422 (9.55 percent) were reported as black or African-American. Under 1 percent of the total were reported as Asian, while the remaining 70 percent were reported either as "unknown" (67.07 percent) or "other" (2.82 percent). In addition, 1.29 percent of children under 7 tested for lead in Pennsylvania had a confirmed EBLL result. For comparison, the confirmed elevated rate by race is as follows: black/African-American – 2.79 percent; other – 2.45 percent; white/Caucasian – 1.79 percent; Asian – 1.16 percent; unknown – .88 percent. When reviewing the number of children with reported confirmed elevated results, slightly more than 50 percent of the confirmed elevated results were reported as a race of "other" or "unknown." While more is known about the race composition of the confirmed elevated reports than the race composition of those children that were tested, the level of unknown race data prevents any further meaningful analysis.

As in most states, childhood lead testing in Pennsylvania is targeted at children living in identified high risk areas. In Pennsylvania, these areas represent parts of the state with a relatively

high percentage of older homes and a relatively high number of children. Generally, these are higher population urban areas such as Philadelphia, Pittsburgh, Erie, Allentown, etc. Given this targeted, non-universal approach, the reported overall childhood blood lead levels will be higher than in states where testing is done universally. It is therefore important to avoid comparing the geometric mean blood lead levels obtained from data representative of target testing states with geometric mean[5] blood lead levels obtained from data representative of universal testing states. Having said that, Pennsylvania's overall blood lead levels have clearly been dropping. In 2004, for children less than 7 years of age, the geometric mean blood lead level on reported maximum blood lead levels was approximately 3.5 micrograms per deciliter of blood. In 2011, that number dropped to approximately 2.5 micrograms per deciliter, representing a 28.57 percent decrease since 2004.

It is generally recognized and accepted that the primary source for childhood lead poisoning continues to be exposure to aging, deteriorating lead-based paint (chips and dust). While lead was banned from paint in 1978, many older dwellings still contain layers of pre-1978 paint. According to the 2010 Census data, Pennsylvania ranks third in the nation for having the most housing units identified as having been built before 1950, and fourth in the nation for having the most housing units identified as having been built before 1978.

The Childhood Lead Poisoning Prevention Program (CLPPP) grantees are located in what are generally recognized as high risk areas of Pennsylvania. They conduct outreach and provide testing, case management and inspection services to children throughout the state, focusing on those less than 7 years of age. In 2011, the CLPPPs reported conducting 56,895 tests on children under 7, or 37.68 percent of those under 7 tested in Pennsylvania. The remainder (62.32 percent) were tested by private health care practitioners and other health care entities.

PA-NEDSS enhancements during the year have served to improve case management delivery efficiency and effectiveness for the PA NEDSS childhood lead program, which currently numbers over 300 system users. Among the initiatives slated for the Childhood Lead Surveillance Program in 2012 are: more focus on data quality and the flow of data into PA-NEDSS, addressing the use of the LeadCare II portable analyzer, the use of ArcGIS for analysis and reporting projects, utilizing SASeg to provide for more flexible data analysis, and preparing for the transition to Healthy Homes.

UPDATES AND HIGHLIGHTS

Centers for Disease Control and Prevention (CDC) Changes from a Level of Concern of 10 µg/dL to a Reference Value of 5 µg/dL[6]

In November 2010, the CDC's Advisory Committee for Childhood Lead Poisoning Prevention (ACLPPP) established an ad hoc Blood Lead Level workgroup to study, among other issues, how best to replace the term 'level of concern,' considering the mounting scientific evidence of the adverse effects of lead on children at levels lower than 10 µg/dL. As a result, in January 2012, the ACLPPP made several recommendations to the CDC, two of which were to replace the term 'level of concern' with the term 'reference value' and to lower the reference value from 10 µg/dL to 5 µg/dL. The CDC concurred with both of these recommendations, and on May 16, 2012, released a statement to the general public on their website.

To determine the new level, the CDC reviewed blood lead levels (BLLs) of children 1-5 years of age in the United States (based on data from the National Health and Nutrition Examination Survey) and determined that the level of 5 µg/dL was in the 97.5th percentile of all BLLs of children aged 1-5. In its simplest terms, this means that a child with a BLL of 5 µg/dL has a BLL higher than 97.5 percent of the children in their age group. This implies that children who are found to have a BLL of 5 ug/dL or greater are being exposed to a source of lead that hardly anyone else in their age group is being exposed to.

The change will necessitate a review of PA-NEDSS programming functions related to investigators' inboxes and "No Follow Up Necessary" functionality, as well as changing the flow of data into the Lead Confirmed Elevated Cube (as a confirmed elevated can now mean a 5 µg/dL or above instead of a 10 µg/dL or above). In addition, as staff have been apprised of developments from the CDC, a preliminary report has already been compiled regarding how confirmed elevated levels would look at the new level. That report will be included with the other graphic displays in the statewide summary section, and commentary will be provided regarding the change in other reports where appropriate.

This change will impact the content of this report going forward, as it will affect 2012 numbers. However, since this report includes data for 2011, there will be no material changes to the data other than what has been outlined above.

Data Quality

In an effort to clean up the database in preparation for the 2011 Annual Report, staff employed various strategies to identify and fix patient, report and location records within PA-NEDSS. Records missing critical fields of information were identified, researched and corrected whenever possible. Records indicating implausible data (such as extremely high quantitative test results, for example) were identified, researched and corrected. Error Queues were monitored daily, and every effort to maintain clean, accurate and consistent information on incoming reports was taken. Records with missing dates of birth were identified and completed after contacting healthcare providers to obtain the correct information. For some records this resulted in a transfer from the Childhood Lead program jurisdiction to the Adult Lead program jurisdiction. In addition, several programs within the Pa. Department of Health (including Childhood Lead) participate in a cross-program de-duplication program. Programs are assigned one-week periods on a rotating basis, during which they de-duplicate, or merge, duplicate records found in PA-NEDSS each day. This activity aids in the data cleaning process and allows PA-NEDSS to function more efficiently.

One other area where data quality has improved is the entry of CLPPP low level lead results into PA-NEDSS, as described in further detail below. By assuming responsibility for processing, staff have been able to exert greater control over the quality and formatting of data as it flows into the system. This results in fewer errors, more complete information and a more timely submission of records into PA-NEDSS, allowing the case management process to take place with more efficiency.

Data Analysis

Staff have undergone extensive training and continue to familiarize themselves with mapping software (ArcView and ArcGIS). Once data sets are available from PA-NEDSS, this tool will be invaluable in displaying data in a geographic manner. As an example of what can be done with ArcGIS, surveillance staff linked census data with geographic shape files in ArcView to update the age of housing concentration maps with 2010 Census data. In addition, staff have also undergone SASeg training, and, once the proper databases and linkages are formed, SASeg will be useful in analyzing data in a more flexible and comprehensive manner. This will be used to analyze issues such as addresses associated with multiple EBLL's.

CLPPP Paper Reports

Previously, all low results from the CLPPPs were sent on paper reports to the Bureau of Labs (BOL) for analysis and then to a vendor for data entry. In the 19 months since the surveillance program assumed responsibility for entry of those reports into PA-NEDSS, staff has entered and uploaded over 22,000 paper reports. The BOL is still responsible for the analysis of all reports and entry of high results

(10 µg/dL or greater). It remains to be seen how the CDC change in reference value will affect the processing of paper reports, but what is certain is that staff processing has resulted in more control over data quality and faster entry of the information into PA-NEDSS.

Environmental Public Health Tracking Network (EPHTN)

The EPHTN is an effort to collect, analyze, document and provide information on suspected links between environmental hazards (including air pollution, contaminated water and toxic substances such as pesticides) and their impact on the health of citizens. The Pennsylvania Department of Health Bureau of Epidemiology, Division of Environmental Health Epidemiology, Health Tracking Section, received a grant from CDC to begin building Pennsylvania's Statewide EPHTN in 2006. The Pennsylvania Childhood Lead Surveillance Program continues to participate in planning and development efforts, and annually delivers a childhood lead dataset in accordance with the project's requirements. More information on the EPHTN project can be found at: www.health.state.pa.us/epht.

PA Code: Title 28 - Chapter 27 Reporting Regulations

The final draft of the Chapter 27 regulations was submitted to programs in January 2009, and they continue to go through the executive review process. A number of updates and revisions were proposed to the regulations when the language was completed during 2008. For example, new language was added to require health care practitioners using portable, point-of-service lead analyzing devices (such as Lead Care II) to report results to PA-NEDSS. These devices produce immediate results at the service location and have the potential to remove the BOL from the reporting process to some extent.

Other changes were proposed as well. For example, with PA-NEDSS now serving as the state's disease surveillance system, new language was needed to require reporting laboratories to submit results electronically. Additionally, a new language section layout was proposed – one that clearly separates and delineates the differences between Adult Lead and Childhood Lead reporting requirements. This change was clearly needed, given the feedback from numerous laboratory representatives and confusion about the differences between Adult and Childhood Lead reporting requirements. With this proposed new layout, the reporting requirements for each program are clearer.

Pa. Lead Snapshot, 2011

150,979	This is the number of children under 7 tested for lead in Pennsylvania in 2011. This represents a 1.59 percent increase over 2010. Overall, 158,596 tests were performed on children under 16. For more information, see pp. 10, 13 and 28-30.
1,950	This is the number of children under 7 with confirmed EBLL tests in 2011. This represents a decrease of 23.31 percent from 2010. For more information, see pp. 11, 13 and 37-39.
1.29%	This is the percentage of confirmed EBLL tests in 2011, based on the number of children under 7 tested. This represents a 26.29 percent decrease from 2010. For more information, see pp. 11, 13, 15-16 and 44.
2.5	This is the geometric mean of blood lead levels from tests performed in 2011, representing a 7.41 percent decrease from 2010. For more information, see p. 12.

70%	**5th**	This is the estimated percentage of homes built before 1978 and national rank, based on the 2010 Census. For more information, see p. 23.
36%	**5th**	This is the estimated percentage of homes built before 1950 and national rank, based on the 2010 Census. For more information, see p. 23.

- Since 2007, the number children under 7 tested for lead has increased from **131,150** to **150,979**, an increase of **15.12 percent**. For children under age 16, the number of tests has increased from 139,183 to 158,596.
- Since 2007, the geometric mean EBLL has decreased from **3.1** to **2.5**, a **19.35 percent decrease.**
- Since 2007, the percentage of children under 7 tested with a confirmed EBLL has gone from **2.20 percent** to **1.29 percent**, a **decrease of 41.36 percent**. During that time, the number of confirmed EBLLs has gone from **2,887** to **1,950**, a **32.46 percent decrease.**
- Since 2007, the percentage of children under 7 tested has risen from **12.57 percent to 14.68 percent,** an **increase** of **16.79 percent**.

STATEWIDE SUMMARIES

Statewide Summaries - continued

CHILDREN TESTED FOR LEAD

Pa. Children Tested for Lead by Age and Maximum Blood Lead Level[7]

BLL	1 and 2 Years (12-35 months)	<3 Years (12-35 months)	<6 Years (0-71 months)	< 7 Years (0-83 months)	<16 Years (<191 months)
Lows (0-9 µg/dL)	71,463	107,990	143,120	146,642	154,104
Highs (≥10 µg/dL)	1,981	2,389	3,354	3,437	3,551
Nulls	383	687	882	900	941
Total	73,827	111,066	147,356	150,979	158,596
2010 Census Pop.	291,031	432,581	877,769	1,028,282	2,442,080
% of Pop. Tested[8]	25.37%	25.68%	16.79%	14.68%	6.49%

Maximum blood lead level = The child's highest blood lead level (quantitative test result) for the year.

µg/dL = micrograms per deciliter of blood

NOTE: "Less Than" Sign: <

Pa. Children Tested for Lead by Age and Race[9]

Race	1 and 2 Years (12-35 months)	<3 Years (12-35 months)	<6 Years (0-71 months)	< 7 Years (0-83 months)	<16 Years (<191 months)
A	530	727	1,252	1,288	1,352
B	5,352	6,607	13,657	14,422	15,391
W	13,201	18,924	29,078	29,751	31,269
O	1,850	2,386	4,112	4,253	4,576
U	52,894	82,422	99,257	101,265	106,008
Total	73,827	111,066	147,356	150,979	158,596

Race Abbreviations:

A = Asian
B = Black or African-American
W = White
O = Reported *Other* + American Indian + Alaskan Native + Native Hawaiian + Pacific Islander
U = Unknown
Total = Total Children

NOTE: "Less Than" Sign: <

Statewide Summaries - continued

CONFIRMED ELEVATED

Pa. Children Tested and Confirmed Elevated by Age/Categorized by First Confirmed Elevated Blood Lead Level[10]

BLL	1 and 2 Years (12-35 months)	<3 Years (12-35 months)	<6 Years (0-71 months)	< 7 Years (0-83 months)	<16 Years (<191 months)
10 to <15 µg/dL	627	692	1,012	1,039	1,076
15 to <20 µg/dL	228	246	400	414	427
≥20 µg /dL	220	233	465	497	547
Total	1,075	1,171	1,877	1,950	2,050
Total Tested	73,827	111,066	147,356	150,979	158,596
% Confirmed[11] Elevated	1.46%	1.05%	1.27%	1.29%	1.29%

Maximum blood lead level = The child's highest blood lead level (quantitative test result) for the year.

µg/dL = micrograms per deciliter of blood

NOTE: "Less Than" Sign: <

Pa. Children Tested and Confirmed Elevated by Age and Race[12]

Race	1 and 2 Years (12-35 months)	<3 Years (12-35 months)	<6 Years (0-71 months)	< 7 Years (0-83 months)	<16 Years (<191 months)
A	9	9	15	15	18
B	166	173	369	402	438
W	281	308	520	533	562
O	62	66	99	104	112
U	557	615	874	896	920
Total	1,075	1,171	1,877	1,950	2,050

Race Abbreviations:

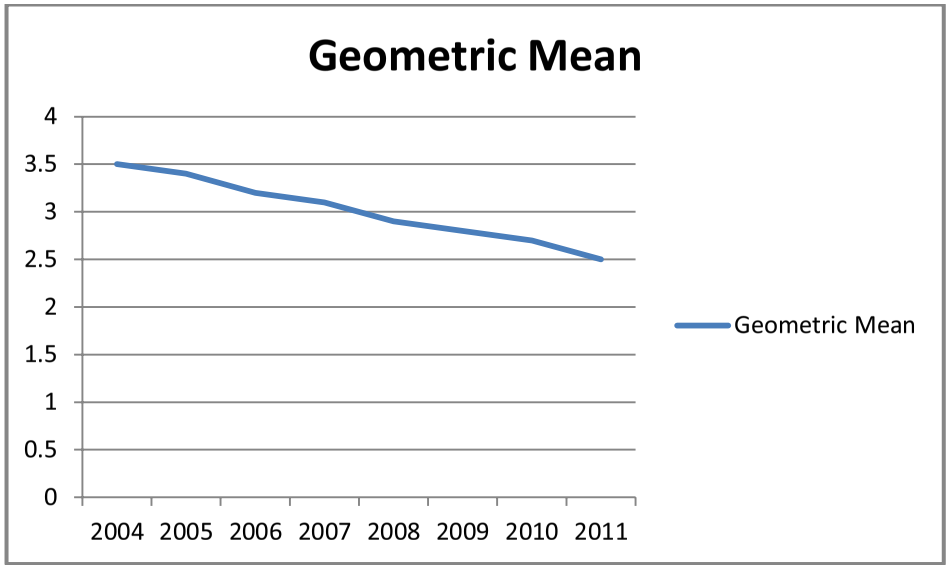
A = Asian
B = Black or African-American
W = White
O = Reported *Other* + American Indian + Alaskan Native + Native Hawaiian + Pacific Islander
U = Unknown
Total = Total Children

NOTE: "Less Than" Sign: <

GEOMETRIC MEAN

Calendar Year	Geometric Mean of Maximum Blood Lead Level	
2004	3.5	Dataset: The maximum blood lead levels for children less than 7 years of age who were tested for lead. Note: Maximum blood lead levels of zero were converted to 0.1, and null quantitative test results (blank) were eliminated prior to calculation. **Source: Pennsylvania National Electronic Disease Surveillance System (PA-NEDSS), Lead Annual Report Cube**
2005	3.4	
2006	3.2	
2007	3.1	
2008	2.9	
2009	2.8	
2010	2.7	For a description of the Geometric Mean, please see **endnote 5 on page 65** of the report.
2011	2.5	

Time Period	% decrease in Geometric Mean	Overall % Decrease since 2004
2004-2005	2.86	2.86
2005-2006	5.88	8.57
2006-2007	3.13	11.43
2007-2008	6.45	17.14
2008-2009	3.45	20.00
2009-2010	3.57	22.86
2010-2011	7.41	28.57



Statewide Summaries - continued

NUMBER TESTED AND CONFIRMED ELEVATED BY YEAR/AGE GROUP

	1 and 2 Years			<3 Years			<6 Years			<7 Years			<16 Years		
	Tested	CE	**% CE**	Tested	CE	**% CE**	Tested	CE	**% CE**	Tested	CE	**% CE**	Tested	CE	**% CE**
2007	59,991	1,411	**2.35%**	94,907	1,560	**1.64%**	127,440	2,770	**2.17%**	131,150	2,887	**2.20%**	139,183	3,024	**2.17%**
2008	65,334	1,632	**2.50%**	100,535	1,770	**1.76%**	134,118	2,898	**2.16%**	137,878	2,996	**2.17%**	146,320	3,131	**2.14%**
2009	70,865	1,563	**2.21%**	107,298	1,675	**1.56%**	142,387	2,657	**1.87%**	145,996	2,750	**1.88%**	154,096	2,856	**1.85%**
2010	72,106	1,463	**2.03%**	108,916	1,575	**1.45%**	144,896	2,498	**1.72%**	148,617	2,595	**1.75%**	156,394	2,725	**1.74%**
2011	73,827	1,075	**1.46%**	111,066	1,171	**1.05%**	147,356	1,877	**1.27%**	150,979	1,950	**1.29%**	158,596	2,050	**1.29%**

How to read this table: The data is organized by year and then by age group, reading across the table. Within each age group, there are three numbers:

- The number of children reported to have been tested for lead ("Tested");
- The number of children with confirmed elevated results ("*CE*"); and
- The percentage of children tested with confirmed elevated results ("% CE").

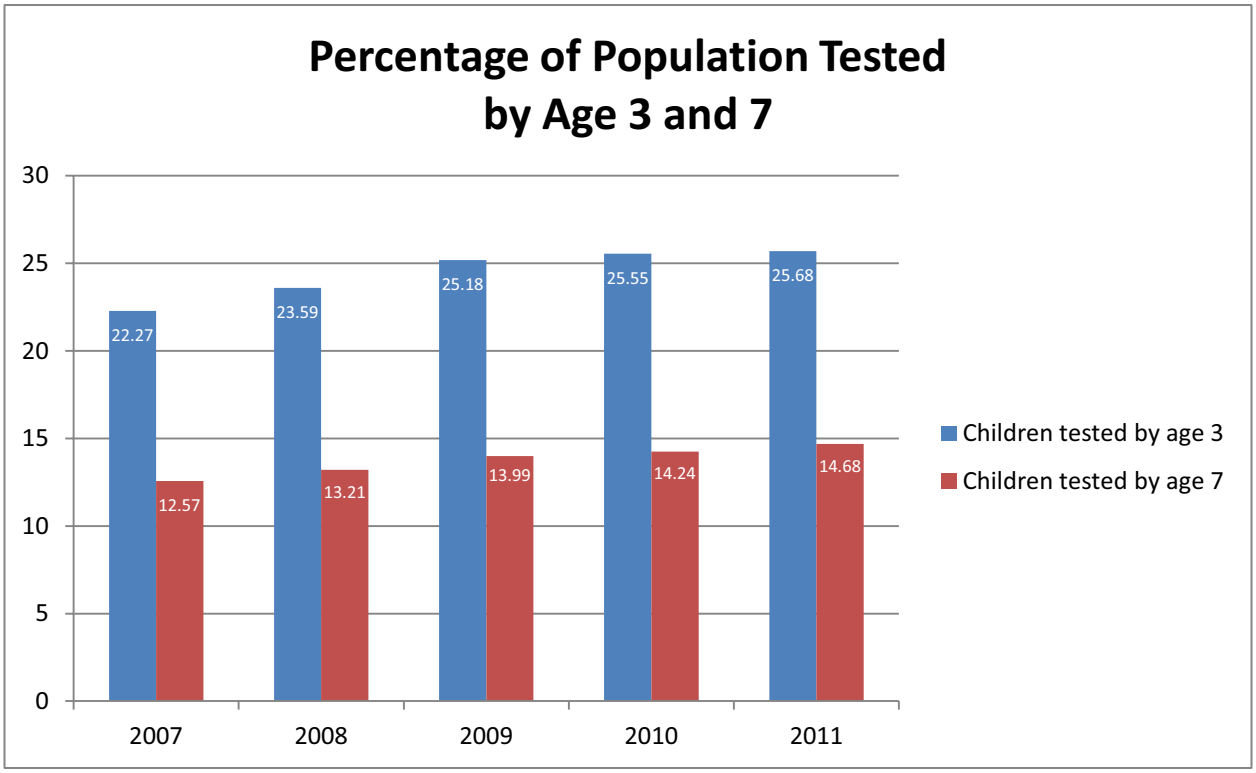
As seen in the table above, Confirmed Elevated Percentages have decreased considerably across age groups. Since 2007, the Confirmed Elevated Percentages for children aged 1 and 2 and under 3 have decreased by more than 35 percent, and by at least 40 percent for each of the other age groups. This is due to a gradual but steady increase in testing numbers (the number of tests increased by at least 13 percent since 2007 for each age group), and a more substantial decrease in the number of confirmed elevated results (ages 1 and 2 and under 3 had a decrease of at least 23 percent since 2007, with the other age groups experiencing a decrease of at least 32 percent).

CHILDREN TESTED BY AGE 3 AND 7

Pennsylvania does not have a universal testing law, so there is no mandate for children to be tested by a certain age. However, the Early Periodic Screening, Diagnosis and Treatment (EPSDT) program (administered by DPW) does require children on Medical Assistance to be tested at age 1 and 2. Furthermore, the CLPPP program follows the CDC recommendations by testing children under 7 and focusing on children at age 1 and 2. As seen below, both groups have experienced an increase in testing since 2007, with an increase of almost 15 percent for children under 3 and over 13 percent for children under age 7.

The increase in testing rates can be at least partially attributed to local CLPPP efforts to broaden the range of groups of children being tested. Through working with Head Start, WIC and day care centers, the number of tests for which the CLPPPs were responsible has increased by 9.26 percent since 2007.

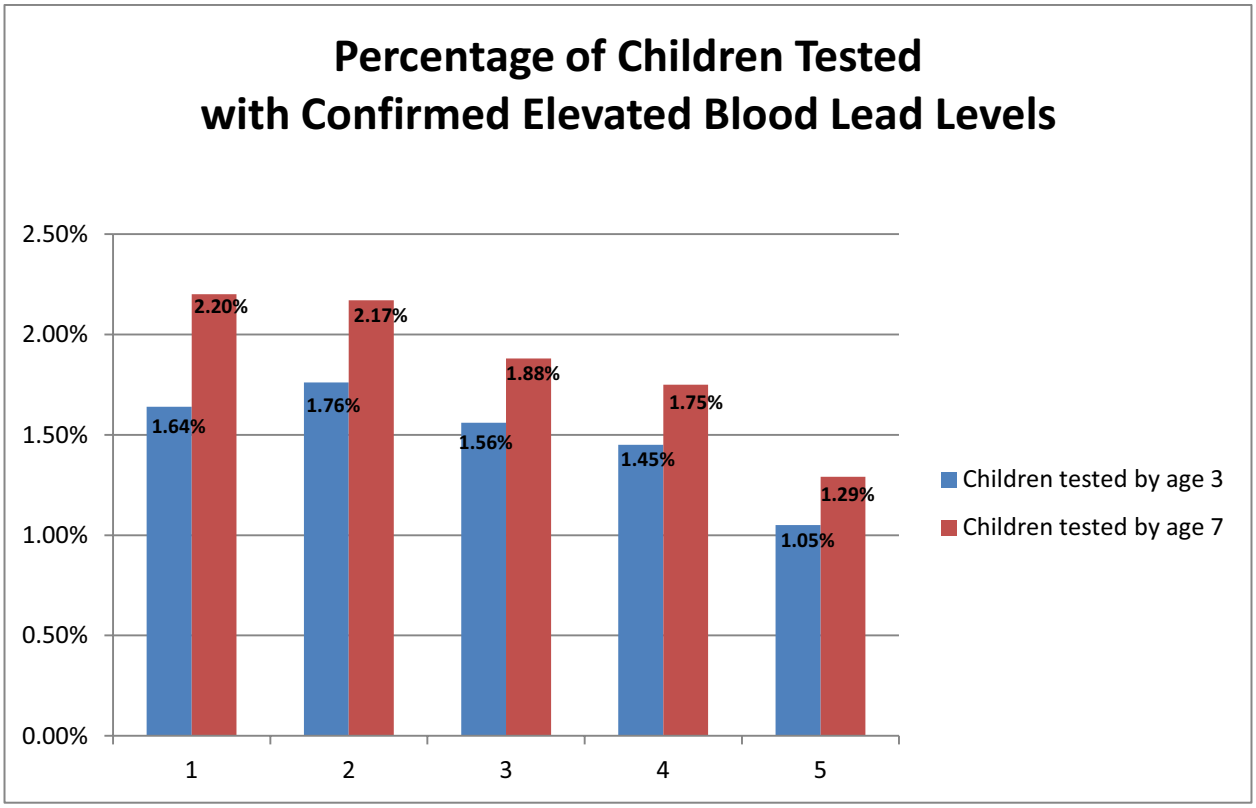
Although these increases in the percentage of children being tested are significant, it must be noted here that only a quarter of the population of children under 3 and roughly one-seventh of the population of children under 7 are being tested.



CONFIRMED ELEVATED PERCENTAGE FOR CHILDREN TESTED BY AGE 3 AND 7

Based on CDC guidelines, blood lead levels greater than or equal to 10 µg/dL are considered the threshold for public health action.* The CLPPPs test children under age 7, with a focus on children under age 3. As seen below, confirmed elevated levels have decreased gradually since 2007, with an 36.56 percent decrease for children under 3 and a 41.36 percent decrease for children under 7.

Of the children tested for lead in Pennsylvania in 2011, there were 1,171 children under 3 and 1,950 children under 7 with confirmed elevated blood lead levels (EBLLs). To determine the percentage of children with confirmed EBLLs, the number of children with EBLLs in an age cohort was divided by the number of children tested in that age cohort.



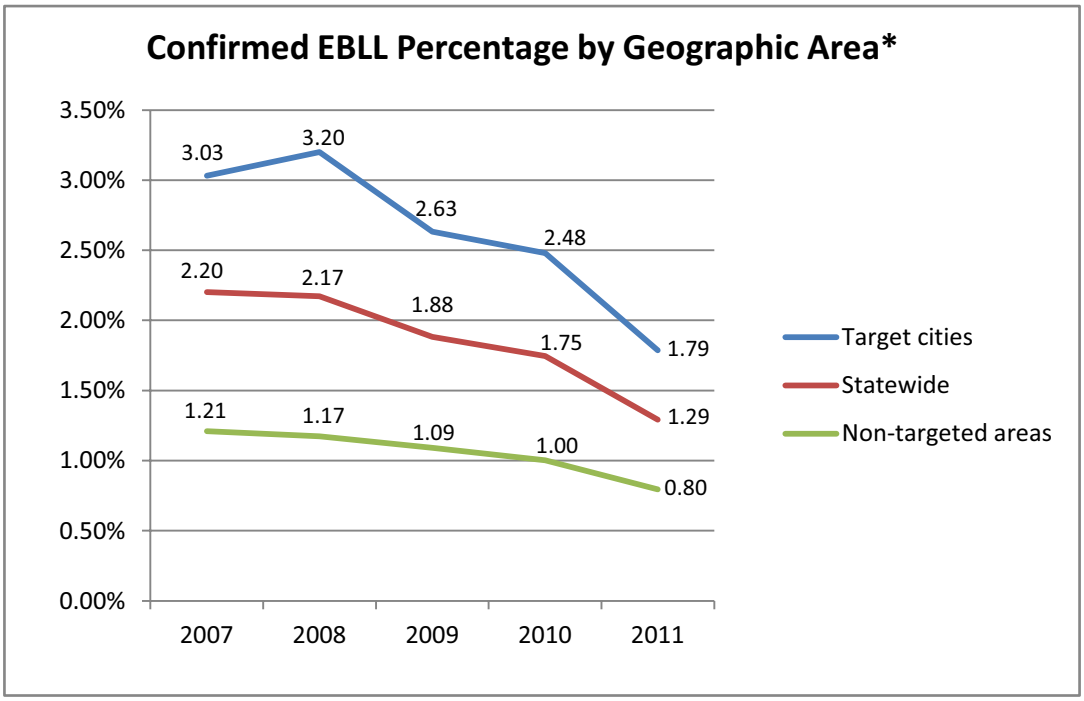
***On 5/16/12, the CDC accepted the recommenation from the Advisory Committee on Lead Poisoning Prevention to eliminate the use of the term "Level of Concern" (and the level of 10 µg/dL) and to begin using a "Reference Value" of 5 µg/dL. This may or may not become the de facto "new" elevated level, as guidance is forthcoming from the CDC. Several reports regarding the change have been included in this Annual Report.**

Statewide Summaries – continued

CONFIRMED ELEVATED BLOOD LEAD LEVEL (EBLL)
BY GEOGRAPHIC AREA

Lead poisoning prevention efforts are focused in a number of cities because of their high proportion of population of children under 7, low income families and older housing. Even though the percentage of confirmed elevated blood lead levels has decreased significantly since 2007, the target cities still experience lead poisoning at a rate of more than twice that of the non-targeted areas and nearly 40 percent more than the state on average. This highlights the need to continue to focus lead poisoning prevention efforts on these target cities. For reference, the target cities are listed below:

Allentown
Altoona
Bethlehem
Chester
Easton
Erie
Harrisburg
Johnstown
Lancaster
Lebanon
Levittown
Norristown
Philadelphia
Pittsburgh
Reading
Scranton
State College
Wilkes-Barre
Williamsport
York



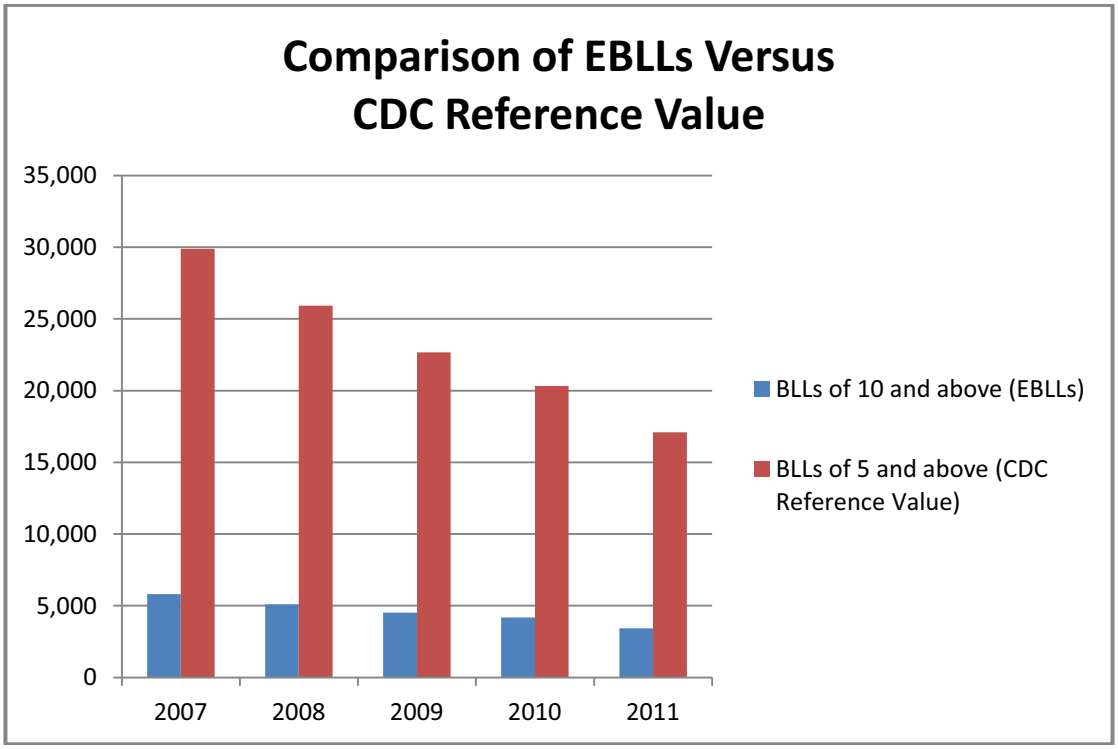
*Based on the percentage of confirmed elevated blood lead results. The percentages were calculated as follows: **Number of confirmed EBLLs for children under 7 ÷ Total number of children under 7 reported to have been tested .** For the numbers of confirmed elevated cases and number of children tested for 2010, please refer to pp. 10-11 of this report. For previous years, please see p. 13 of this report or previous reports at www.health.state.pa.us/lead.

**CDC's CHANGE FROM 'LEVEL OF CONCERN'
TO 'REFERENCE VALUE'**

In January 2012, the CDC's Advisory Committee for Childhood Lead Poisoning Prevention recommended a number of changes to the CDC, among them the elimination of the use of the term "Level of Concern" and the corresponding level of 10 µg/dL. The change called for the use of a "Reference Value" of 5 µg/dL. On May 16, 2012, the CDC formally agreed to implement this recommendation and will eventually be issuing guidance for state programs on how to "operationalize" the change.

The CDC arrived at the reference value of 5 by studying blood lead level data for children aged 1 to 5 from the National Health and Nutrition Examination Survey (NHANES). It was determined that a BLL of 5 ug/dL was in the 97.5th percentile of all BLLs, which means that a child with a BLL of 5 has a BLL higher than 97.5% of the children in their age cohort.

From a Surveillance data perspective, this change means that BLLs of 5 and above would be considered elevated, instead of the 'old' level of 10 (**NOTE:** although 5 may or may not be the de facto 'new' elevated level, that has not yet been determined by the CDC, as guidance is still being developed). The chart below shows the difference between using the level of 10 and the level of 5 when determining the number of elevated BLLs in Pennsylvania.



CDC Change from Level of Concern to Reference Level: COUNTY LEVEL

Number of BLL Results of 10µg/dL and above, 5µg/dL and above, and percentage change

	PA County	BLLs 10 µg/dL and above	BLLs 5 µg/dL and above	Percent Change		PA County	BLLs 10 µg/dL and above	BLLs 5 µg/dL and above	Percent Change		PA County	BLLs 10 µg/dL and above	BLLs 5 µg/dL and above	Percent Change
1	Adams	22	114	418.18%	30	Greene	2	24	1100.00%	59	Tioga	11	46	318.18%
2	Allegheny	275	1,269	361.45%	31	Huntingdon	7	38	442.86%	60	Union	12	57	375.00%
3	Armstrong	17	85	400.00%	32	Indiana	14	92	557.14%	61	Venango	15	63	320.00%
4	Beaver	34	212	523.53%	33	Jefferson	7	60	757.14%	62	Warren	22	87	295.45%
5	Bedford	7	49	600.00%	34	Juniata	3	32	966.67%	63	Washington	43	171	297.67%
6	Berks	232	1,098	373.28%	35	Lackawanna	78	327	319.23%	64	Wayne	5	46	820.00%
7	Blair	49	259	428.57%	36	Lancaster	96	369	284.38%	65	Westmoreland	40	180	350.00%
8	Bradford	5	41	720.00%	37	Lawrence	3	31	933.33%	66	Wyoming	2	15	650.00%
9	Bucks	16	85	431.25%	38	Lebanon	36	166	361.11%	67	York	179	725	305.03%
10	Butler	23	103	347.83%	39	Lehigh	71	865	1118.31%		All 67 Counties	**3,437**	**17,091**	397.27%
11	Cambria	30	189	530.00%	40	Luzerne	77	302	292.21%					
12	Cameron	1	8	700.00%	41	Lycoming	29	146	403.45%					
13	Carbon	12	104	766.67%	42	McKean	29	116	300.00%					
14	Centre	7	34	385.71%	43	Mercer	19	91	378.95%					
15	Chester	45	188	317.78%	44	Mifflin	3	24	700.00%					
16	Clarion	7	39	457.14%	45	Monroe	17	123	623.53%					
17	Clearfield	16	88	450.00%	46	Montgomery	109	466	327.52%					
18	Clinton	14	41	192.86%	47	Montour	2	8	300.00%					
19	Columbia	9	59	555.56%	48	Northampton	39	355	810.26%					
20	Crawford	21	104	395.24%	49	Northumberland	35	161	360.00%					
21	Cumberland	15	111	640.00%	50	Perry	8	62	675.00%					
22	Dauphin	154	643	317.53%	51	Philadelphia	972	4,900	404.12%					
23	Delaware	120	580	383.33%	52	Pike	4	19	375.00%					
24	Elk	2	20	900.00%	53	Potter	1	28	2700.00%					
25	Erie	175	740	322.86%	54	Schuylkill	82	312	280.49%					
26	Fayette	13	60	361.54%	55	Snyder	6	37	516.67%					
27	Forest	0	2	N/A	56	Somerset	7	44	528.57%					
28	Franklin	28	155	453.57%	57	Sullivan	0	1	N/A					
29	Fulton	1	9	800.00%	58	Susquehanna	2	13	550.00%					

Notes:
This chart reflects the number of the "old" elevated results of 10 or above (the "Level of Concern"), compared to the number of results with a "Reference Value" of 5 or above, by county, and then the percentage difference. Note that in general, the higher **percentage** changes tended to be in counties with smaller population numbers and numbers of children under 7. These counties tended to have smaller starting numbers of elevated results. Conversely, the counties with higher population numbers and higher numbers of children under 7 had higher **number** changes. For more information on population numbers, please see pp. 46-48.

Source: PA-NEDSS

LEVEL OF CONCERN (ELEVATED) VERSUS REFERENCE VALUE: CITY LEVEL (BY TARGET CITY)

Another way of looking at the change from a Level of Concern of 10 µg/dL to a Reference Value of 5 µg/dL would be to look at the effect on the BLLs for target cities in Pennsylvania. The Pennsylvania CLPPP Program targets its efforts in cities with certain risk factors, such as high proportions of population of children under 7 and older housing. Below is a chart showing the current levels of elevated BLLs in those cities and the number of results that would be considered elevated under the change to a Reference Value of 5.

City	BLLs of 10 µg/dL and above	BLLs of 5 µg/dL and above	Number Increase	Percentage Change
Allentown	53	603	**550**	1037.74%
Altoona	42	200	**158**	376.19%
Bethlehem	10	160	**150**	1500.00%
Chester	52	250	**198**	380.77%
Easton	24	134	**110**	458.33%
Erie	150	619	**469**	312.67%
Harrisburg	122	513	**391**	320.49%
Johnstown	22	145	**123**	559.09%
Lancaster	63	239	**176**	279.37%
Lebanon	24	116	**92**	383.33%
Levittown	3	13	**10**	333.33%
Norristown	64	212	**148**	231.25%
Philadelphia	936	4,670	**3,734**	398.93%
Pittsburgh	170	793	**623**	366.47%
Reading	189	842	**653**	345.50%
Scranton	64	236	**172**	268.75%
State College	0	4	**4**	N/A*
Wilkes-Barre	16	68	**52**	325.00%
Williamsport	15	83	**68**	453.33%
York	126	525	**399**	316.67%
Total	**2,145**	**10,425**	**8,280**	**386.01%**
Statewide	**3,437**	**17,091**	**13,654**	**397.27%**

*Counties marked with "N/A" for percentage change started with zero EBLLs, and a percentage change cannot be calculated with a divisor of zero.

Statewide Summaries - continued

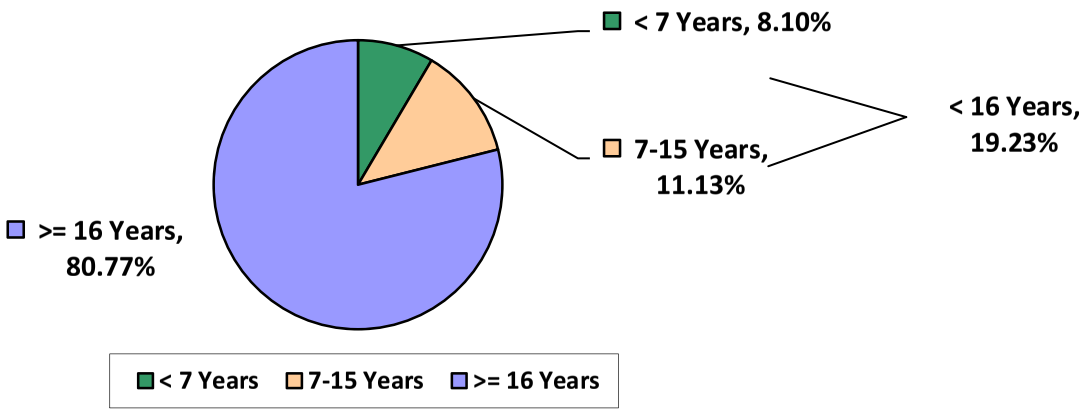
POPULATION [13]

Geo Level	Population Data Source	Population as of	1 and 2 Years	< 3 Years	< 6 Years	< 7 Years	< 16 Years	Total Population (All Ages)
Pennsylvania	**U.S. Census Bureau**	**2010 Census →**	291,031	432,581	877,769	1,028,282	2,442,080	**12,702,379**
United States (including Pa. and excluding Puerto Rico)	**U.S. Census Bureau**	**2010 Census →**	8,074,999	12,019,152	24,258,220	28,324,601	65,470,033	**308,745,538**

Note: The PA Department of Health Bureau of Health Statistics Population Estimates, which usually appear here, are not shown this year because they are the same as the US Census figures for the year in which the census is conducted. The 2011 estimates were not ready at the time of this report.

Geo Level	Population Data Source: U.S. Census Bureau, 2010 Census		
	Percent of Total Population Represented by Age Cohort Population		
	1 and 2 Years (12-35 months)	< 7 Years (0-83 months)	< 16 Years (0-191 months)
Pennsylvania	2.29%	8.10%	19.23%
United States	2.62%	9.17%	21.21%

Pennsylvania 2010 Census Population



Statewide Summaries – continued

POPULATION

Source: The U.S. Census Bureau's 2010 Census, Summary File 1 Table QT-P2
Note: Excluding Puerto Rico but including the District of Columbia (DC)

States Ranking by Total Population			
	Rank	**State**	**Total Population (All Ages)**
First (Most)	1	California	37,253,956
Sixth	**6**	**Pennsylvania**	**12,702,379**
Last (Fewest)	51	Wyoming	563,626

States Ranking by Population < 16 Years			
	Rank	**State**	**Population < 16 Years**
First (Most)	1	California	8,174,098
Sixth	**6**	**Pennsylvania**	**2,442,080**
Last (Fewest)	51	District of Columbia	89,148

States Ranking by Population < 7 Years			
	Rank	**State**	**Population < 7 Years**
First (Most)	1	California	3,536,926
Sixth	**6**	**Pennsylvania**	**1,028,282**
Last (Fewest)	51	District of Columbia	43,471

States Ranking by Population < 6 Years			
	Rank	**State**	**Population < 6 Years**
First (Most)	1	California	3,036,508
Sixth	**6**	**Pennsylvania**	**877,769**
Last (Fewest)	51	District of Columbia	38,156

States Ranking by Population < 3 Years			
	Rank	**State**	**Population < 3 Years**
First (Most)	1	California	1,507,814
Sixth	**6**	**Pennsylvania**	**432,581**
Last (Fewest)	51	Vermont	18,676

States Ranking by Population 1 and 2 Years			
	Rank	**State**	**Population 1 and 2 Years**
First (Most)	1	California	955,430
Sixth	**6**	**Pennsylvania**	**291,031**
Last (Fewest)	51	Vermont	12,708

Statewide Summaries - continued

HOME OWNERSHIP AND OCCUPANCY [14]

Source: The US Census Bureau's 2010 American Community Survey, Tables B25002 and S2502
Statistics below reflect US Census Bureau estimates on 50 U.S. states and the District of Columbia (DC). Puerto Rico is not included.

Geo Level	Occupied Housing Units			Vacant Housing Units	Total Housing Units [15]
	Owner Occupied	Renter Occupied	Total Occupied	Total Vacant	
United States	74,873,372	39,694,047	114,567,419	17,223,646	131,791,065
Pennsylvania	3,461,678	1,474,352	4,936,030	632,790	5,568,820

Ranking by Total Housing Units			
Rank		State	Housing Units
First (Most)	1	California	13,682,976
Fifth	5	Pennsylvania	5,568,820
Last (Fewest)	51	Wyoming	262,286

Ranking by Total Owner Occupied Housing Units			
Rank		State	Housing Units
First (Most)	1	California	6,903,175
Fifth	5	Pennsylvania	3,461,678
Last (Fewest)	51	District of Columbia (DC)	101,793

Ranking by Total Occupied Housing Units			
Rank		State	Housing Units
First (Most)	1	California	12,406,475
Fifth	5	Pennsylvania	4,936,030
Last (Fewest)	51	Wyoming	222,803

Ranking by Total Renter Occupied Housing Units			
Rank		State	Housing Units
First (Most)	1	California	5,503,300
Sixth	6	Pennsylvania	1,474,352
Last (Fewest)	51	Wyoming	67,525

Ranking by Total Vacant Housing Units			
Rank		State	Housing Units
First (Most)	1	Florida	1,959,023
Seventh	7	Pennsylvania	632,790
Last (Fewest)	51	North Dakota	37,687

Statewide Summaries - continued

AGE OF HOUSING[16]

Source: The US Census Bureau's 2010 American Community Survey, Table B25034

Statistics below reflect US Census Bureau estimates on 50 U.S. states and the District of Columbia (DC). Puerto Rico is not included.

Geo Level	Total Housing Units, as of the 2010 Census	Estimated Total Units built before 1978 [17]	All Percentages are rounded two decimal places Estimated Percentage of Total Housing Units built pre-1978 [18]	Total Units Built before 1950	All Percentages are rounded two decimal places Percentage of Total Housing Units built pre-1950 [19]
United States	131,791,065	71,302,191	54.10%	25,296,711	19.19%
Pennsylvania	5,568,820	3,899,824	70.03%	2,006,135	36.02%

Ranking by Estimated Total Housing Units built before 1978

Rank		State	Housing Units
First (Most)	1	California	8,007,401
Fourth	4	Pennsylvania	3,899,824
Last (Fewest)	51	Alaska	117,920

Ranking by Estimated Percent of Total Housing Units built before 1978

Rank		State	All Percentages are rounded two decimal places Estimated Percentage of Housing Units built pre-1978
First (Highest %)	1	District of Columbia (DC)	83.55%
Fifth	5	Pennsylvania	70.03%
Last (Lowest %)	51	Nevada	22.86%

Ranking by Total Housing Units built before 1950

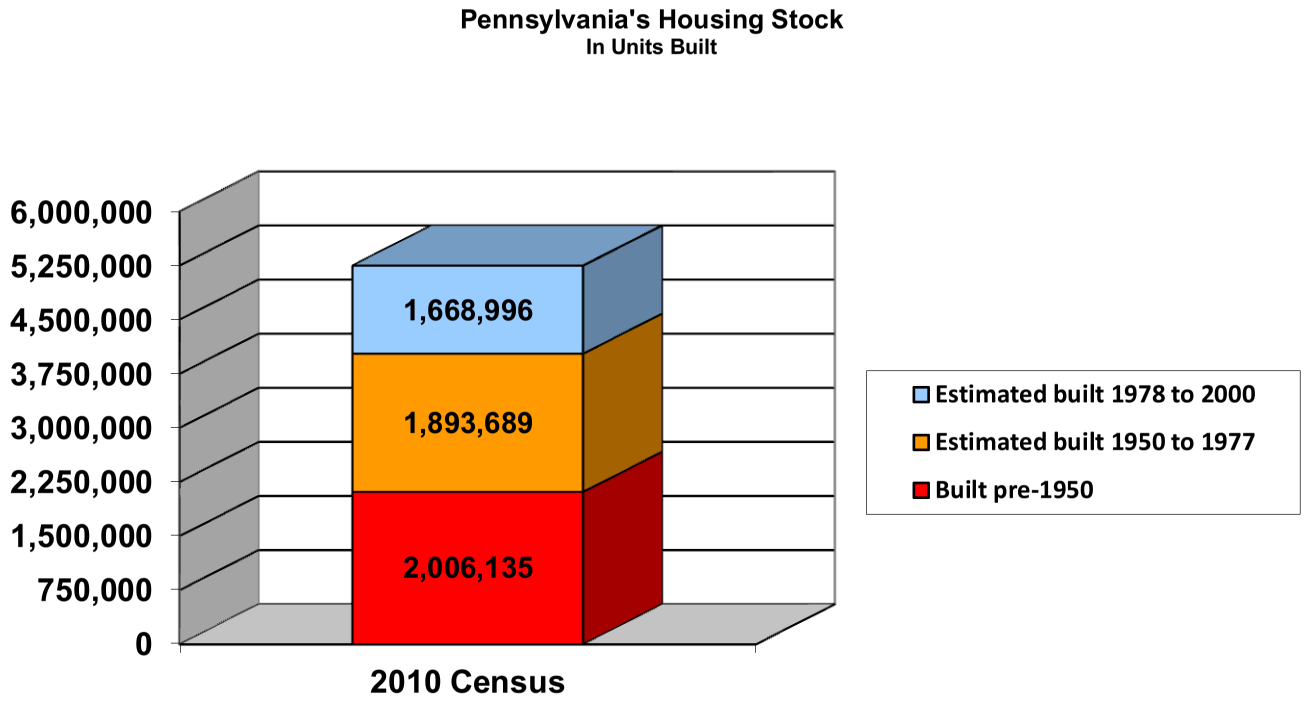
Rank		State	Housing Units
First (Most)	1	New York	3,403,457
Third	3	Pennsylvania	2,006,135
Last (Fewest)	51	Alaska	10,893

Ranking by Percent of Total Housing Units built before 1950

Rank		State	All Percentages are rounded two decimal places Percentage of Housing Units built pre-1950
First (Highest %)	1	District of Columbia (DC)	50.97%
Fourth	5	Pennsylvania	36.02%
Last (Lowest %)	51	Nevada	2.18%

Statewide Summaries - continued

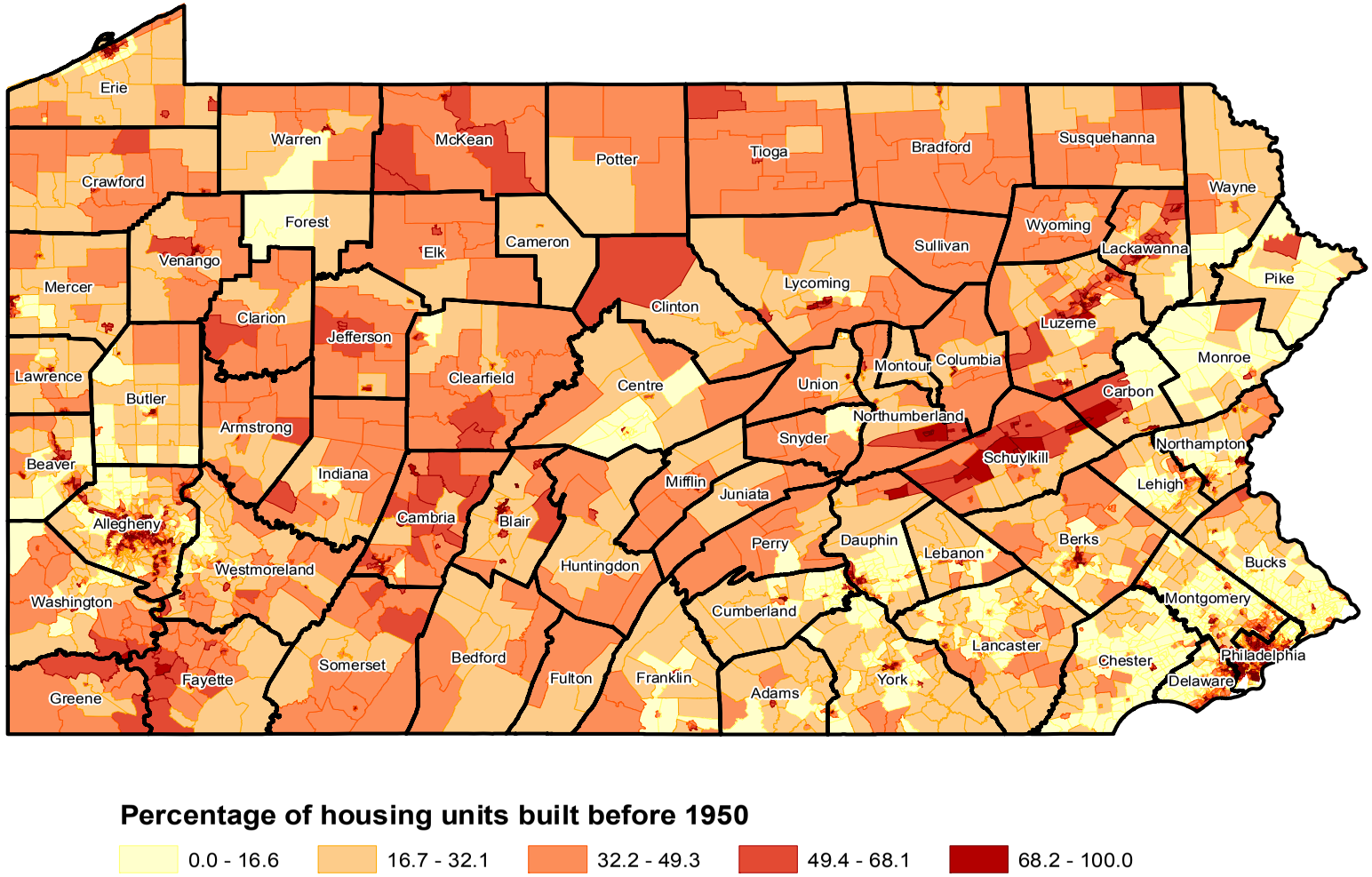
AGE OF HOUSING



Source: U.S. Census Bureau, 2010 ACS, Table B25034	Housing Units:				
	Built before 1950	Estimated built 1950 through 1977	Total estimated built before 1978	Estimated built 1978 through 2010	Total Housing Units
Pennsylvania	2,006,135	1,893,689	3,899,824	1,668,996	5,568,820

AGE OF HOUSING - MAP

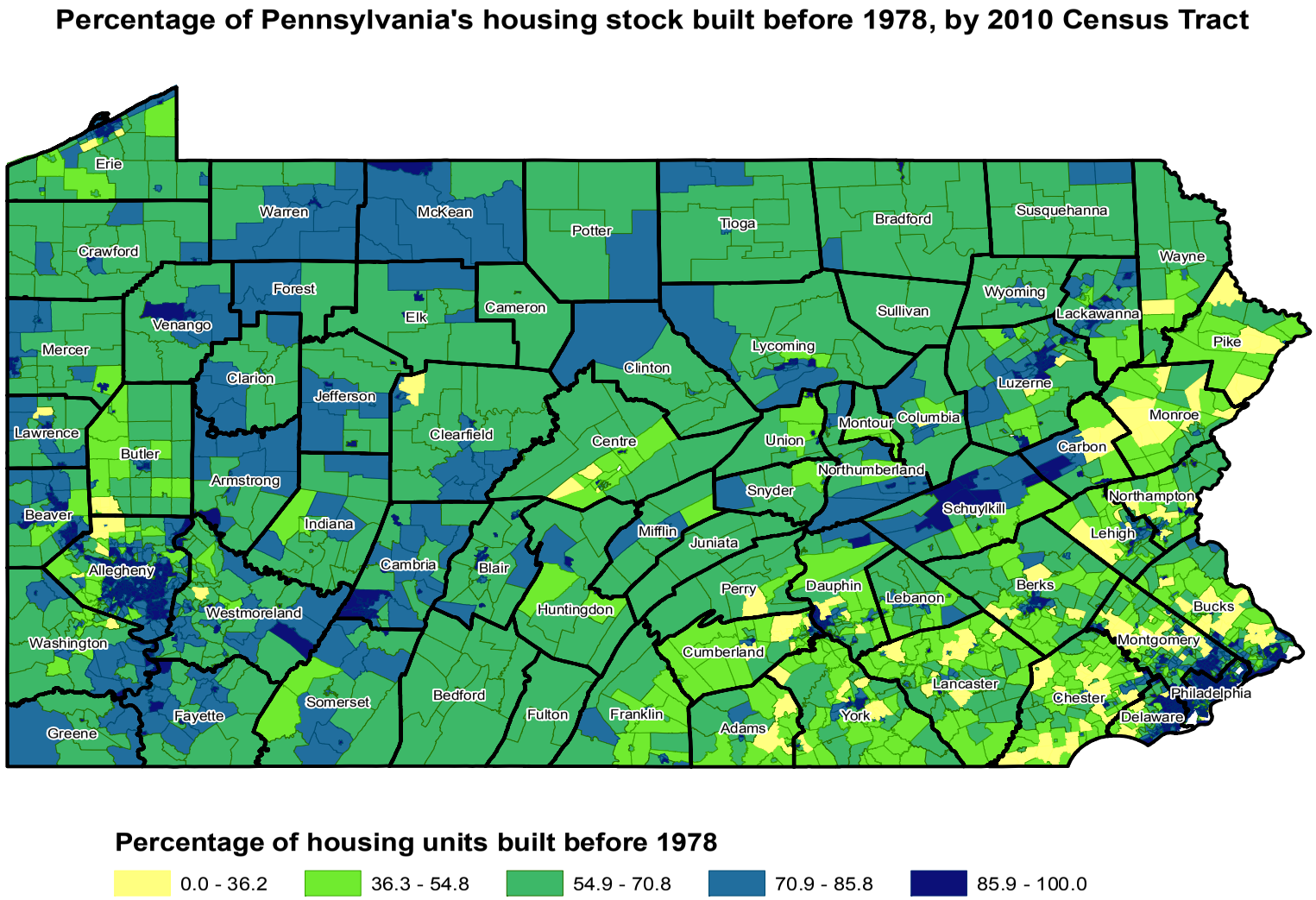
Percentage of Pennsylvania's housing stock built before 1950, by 2010 Census Tract



Percentage of housing units built before 1950

0.0 - 16.6 | 16.7 - 32.1 | 32.2 - 49.3 | 49.4 - 68.1 | 68.2 - 100.0

AGE OF HOUSING - MAP



COUNTY LEVEL

Children Tested for lead in 2011 by:

i) Age
ii) Maximum blood lead level (BLL)
iii) County of residence

COUNTY LEVEL: Children Tested for Lead in 2011 – By age, maximum blood lead level and county of residence

County	The number of Pennsylvania children tested for lead in 2011 by age, maximum blood lead level and county of residence																			
	1 and 2 Years (12-35 months)				< 3 Years (0-35 months)				< 6 Years (0-71 months)				< 7 Years (0-83 months)				< 16 Years (0-191 months)			
	Lows [20] 0-9 µg/dL	Highs [21] ≥ 10 µg/dL	Nulls[22]	Total Children [23]	Lows 0-9 µg/dL	Highs ≥ 10 µg/dL	Nulls	Total Children	Lows 0-9 µg/dL	Highs ≥ 10 µg/dL	Nulls	Total Children	Lows 0-9 µg/dL	Highs ≥ 10 µg/dL	Nulls	Total Children	Lows 0-9 µg/dL	Highs ≥ 10 µg/dL	Nulls	Total Children
Adams	485	17	4	**506**	627	20	5	**652**	824	22	5	**851**	826	22	5	**853**	926	22	6	**954**
Allegheny	6,481	155	83	**6,719**	9,205	185	131	**9,521**	12,890	272	179	**13,341**	13,015	275	179	**13,469**	13,269	282	184	**13,735**
Armstrong	566	13	4	**583**	624	15	8	**647**	690	17	8	**715**	694	17	8	**719**	704	17	8	**729**
Beaver	709	25	4	**738**	1,345	31	12	**1,388**	1,541	33	15	**1,589**	1,564	34	15	**1,613**	1,591	37	15	**1,643**
Bedford	214	3	10	**227**	411	5	13	**429**	445	7	15	**467**	447	7	15	**469**	459	8	15	**482**
Berks	2,813	145	7	**2,965**	3,406	159	9	**3,574**	4,919	221	10	**5,150**	5,185	232	10	**5,427**	6,087	241	11	**6,339**
Blair	585	30	24	**639**	1,114	41	62	**1,217**	1,263	47	65	**1,375**	1,274	49	65	**1,388**	1,293	50	70	**1,413**
Bradford	229	2	0	**231**	385	3	5	**393**	500	4	6	**510**	513	5	6	**524**	533	5	6	**544**
Bucks	1,995	9	0	**2,004**	2,990	10	0	**3,000**	3,791	16	0	**3,807**	3,871	16	1	**3,888**	4,045	17	1	**4,063**
Butler	612	13	8	**633**	1,092	20	21	**1,133**	1,212	23	24	**1,259**	1,226	23	24	**1,273**	1,343	23	24	**1,390**
Cambria	553	17	0	**570**	1,006	18	3	**1,027**	1,342	28	4	**1,374**	1,362	30	4	**1,396**	1,381	30	4	**1,415**
Cameron	34	0	0	**34**	43	1	0	**44**	58	1	1	**60**	60	1	1	**62**	61	1	1	**63**
Carbon	219	3	1	**223**	482	9	2	**493**	654	12	2	**668**	665	12	2	**679**	708	12	2	**722**
Centre	308	4	3	**315**	862	7	8	**877**	928	7	10	**945**	932	7	10	**949**	967	7	12	**986**
Chester	1,448	27	1	**1,476**	2,307	32	1	**2,340**	3,034	45	6	**3,085**	3,068	45	6	**3,119**	3,155	47	6	**3,208**
Clarion	164	6	21	**191**	310	7	45	**362**	354	7	52	**413**	364	7	53	**424**	368	7	54	**429**
Clearfield	471	9	3	**483**	850	14	7	**871**	946	16	11	**973**	951	16	11	**978**	964	18	11	**993**
Clinton	121	3	0	**124**	306	10	0	**316**	400	14	0	**414**	408	14	0	**422**	434	14	0	**448**
Columbia	174	5	0	**179**	400	7	0	**407**	468	9	0	**477**	474	9	0	**483**	486	9	0	**495**
Crawford	323	15	7	**345**	617	15	12	**644**	739	21	15	**775**	750	21	15	**786**	778	21	15	**814**
Cumberland	626	11	17	**654**	925	12	19	**956**	1,259	14	27	**1,300**	1,276	15	27	**1,318**	1,332	15	29	**1,376**
Dauphin	1,558	69	10	**1,637**	2,349	85	19	**2,453**	3,624	147	29	**3,800**	3,758	154	29	**3,941**	3,873	157	29	**4,059**
Delaware	3,580	71	7	**3,658**	5,187	78	13	**5,278**	6,990	115	23	**7,128**	7,243	120	26	**7,389**	7,616	123	26	**7,765**
Elk	84	0	0	**84**	208	2	2	**212**	270	2	2	**274**	281	2	2	**285**	287	3	2	**292**
Erie	2,321	85	0	**2,406**	3,502	100	0	**3,602**	4,903	170	0	**5,073**	5,026	175	0	**5,201**	5,331	179	0	**5,510**
Fayette	825	10	60	**895**	1,232	12	92	**1,336**	1,506	13	117	**1,636**	1,543	13	119	**1,675**	1,600	14	123	**1,737**
Forest	16	0	1	**17**	30	0	3	**33**	35	0	4	**39**	35	0	4	**39**	36	0	4	**40**
Franklin	707	14	5	**726**	1,315	24	6	**1,345**	1,629	28	6	**1,663**	1,650	28	6	**1,684**	1,690	30	6	**1,726**
Fulton	96	0	5	**101**	140	1	6	**147**	181	1	9	**191**	182	1	10	**193**	189	2	11	**202**
Greene	173	2	5	**180**	227	2	6	**235**	316	2	9	**327**	319	2	9	**330**	328	2	9	**339**

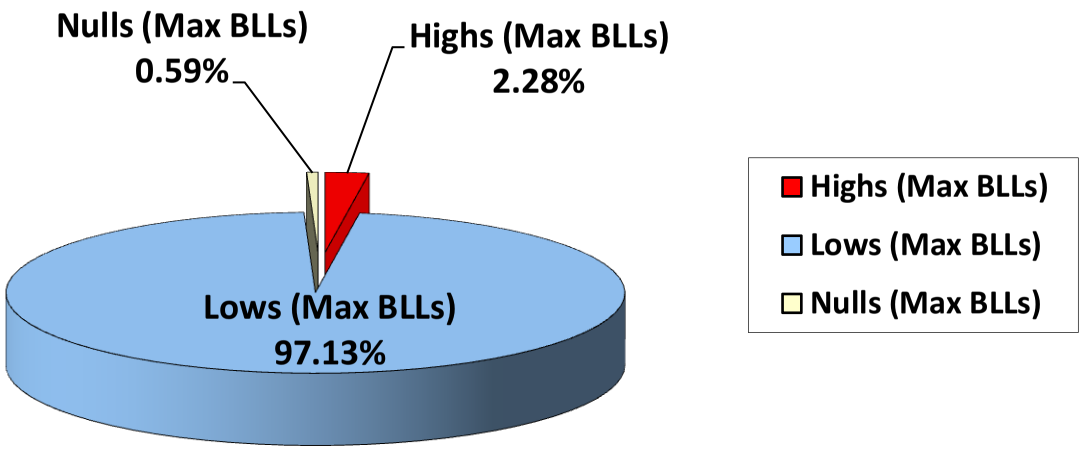
COUNTY LEVEL: Children Tested for Lead in 2011 – By age, maximum blood lead level and county of residence

County	The number of Pennsylvania children tested for lead in 2011 by age, maximum blood lead level and county of residence																			
	1 and 2 Years (12-35 months)				< 3 Years (0-35 months)				< 6 Years (0-71 months)				< 7 Years (0-83 months)				< 16 Years (0-191 months)			
	Lows	Highs			Lows	Highs			Lows	Highs			Lows	Highs			Lows	Highs		
	0-9 µg/dL	≥ 10 µg/dL	Nulls	Total Children	0-9 µg/dL	≥ 10 µg/dL	Nulls	Total Children	0-9 µg/dL	≥ 10 µg/dL	Nulls	Total Children	0-9 µg/dL	≥ 10 µg/dL	Nulls	Total	0-9 µg/dL	≥ 10 µg/dL	Nulls	Total Children
Huntingdon	171	6	1	**178**	362	6	1	**369**	413	6	2	**421**	421	7	2	**430**	428	7	3	**438**
Indiana	366	10	3	**379**	745	12	9	**766**	872	14	9	**895**	876	14	9	**899**	885	14	9	**908**
Jefferson	224	4	0	**228**	441	6	1	**448**	547	7	1	**555**	554	7	1	**562**	561	7	1	**569**
Juniata	108	2	1	**111**	199	2	1	**202**	263	3	1	**267**	266	3	1	**270**	273	3	1	**277**
Lackawanna	943	47	4	**994**	1,481	58	6	**1,545**	2,305	78	7	**2,390**	2,374	78	7	**2,459**	2,524	79	7	**2,610**
Lancaster	1,817	55	4	**1,876**	2,634	60	6	**2,700**	3,601	92	9	**3,702**	3,680	96	9	**3,785**	3,944	101	9	**4,054**
Lawrence	346	3	1	**350**	484	3	3	**490**	666	3	4	**673**	671	3	4	**678**	696	4	5	**705**
Lebanon	592	18	0	**610**	851	22	0	**873**	1,206	35	1	**1,242**	1,225	36	1	**1,262**	1,283	37	1	**1,321**
Lehigh	2,005	43	1	**2,049**	2,822	51	1	**2,874**	3,576	70	4	**3,650**	3,633	71	4	**3,708**	3,836	71	4	**3,911**
Luzerne	1,171	37	5	**1,213**	2,228	54	6	**2,288**	3,300	77	7	**3,384**	3,349	77	7	**3,433**	3,503	77	7	**3,587**
Lycoming	445	13	2	**460**	853	18	2	**873**	1,071	28	2	**1,101**	1,085	29	2	**1,116**	1,130	30	2	**1,162**
McKean	386	23	1	**410**	601	26	1	**628**	666	29	1	**696**	671	29	1	**701**	689	29	1	**719**
Mercer	472	12	0	**484**	740	14	1	**755**	872	19	2	**893**	878	19	2	**899**	915	22	2	**939**
Mifflin	137	0	1	**138**	364	3	1	**368**	523	3	2	**528**	529	3	2	**534**	546	3	2	**551**
Monroe	951	17	2	**970**	1,196	17	2	**1,215**	1,412	17	2	**1,431**	1,445	17	2	**1,464**	1,548	17	4	**1,569**
Montgomery	3,924	62	1	**3,987**	5,962	75	1	**6,038**	7,508	107	1	**7,616**	7,677	109	1	**7,787**	8,006	111	1	**8,118**
Montour	76	1	0	**77**	149	2	1	**152**	176	2	1	**179**	177	2	1	**180**	180	2	1	**183**
Northampton	1,680	28	3	**1,711**	1,972	31	5	**2,008**	2,385	39	10	**2,434**	2,419	39	12	**2,470**	2,537	39	12	**2,588**
Northumberland	395	17	7	**419**	766	27	17	**810**	970	34	19	**1,023**	983	35	19	**1,037**	1,006	35	19	**1,060**
Perry	177	2	0	**179**	354	3	0	**357**	415	8	1	**424**	424	8	1	**433**	433	8	2	**443**
Philadelphia	19,986	592	0	**20,578**	28,029	646	0	**28,675**	38,576	945	1	**39,522**	40,017	972	1	**40,990**	42,529	1,015	1	**43,545**
Pike	329	2	2	**333**	463	4	3	**470**	587	4	4	**595**	592	4	4	**600**	618	4	4	**626**
Potter	226	0	0	**226**	249	0	1	**250**	263	1	2	**266**	265	1	3	**269**	271	1	4	**276**
Schuylkill	608	45	6	**659**	1,361	74	8	**1,443**	1,671	82	9	**1,762**	1,687	82	9	**1,778**	1,750	84	9	**1,843**
Snyder	119	4	3	**126**	221	5	4	**230**	284	6	5	**295**	287	6	6	**299**	293	6	6	**305**
Somerset	257	5	2	**264**	501	6	2	**509**	631	7	3	**641**	635	7	3	**645**	644	9	3	**656**
Sullivan	14	0	0	**14**	31	0	0	**31**	32	0	0	**32**	33	0	0	**33**	35	0	0	**35**
Susquehanna	174	2	0	**176**	226	2	0	**228**	295	2	1	**298**	301	2	1	**304**	326	2	1	**329**

COUNTY LEVEL: Children Tested for Lead in 2011 – By age, maximum blood lead level and county of residence

County	The number of Pennsylvania children tested for lead in 2011 by age, maximum blood lead level and county of residence																			
	1 and 2 Years (12-35 months)				< 3 Years (0-35 months)				< 6 Years (0-71 months)				< 7 Years (0-83 months)				< 16 Years (0-191 months)			
	Lows 0-9 µg/dL	Highs ≥ 10 µg/dL	Nulls	Total Children	Lows 0-9 µg/dL	Highs ≥ 10 µg/dL	Nulls	Total Children	Lows 0-9 µg/dL	Highs ≥ 10 µg/dL	Nulls	Total Children	Lows 0-9 µg/dL	Highs ≥ 10 µg/dL	Nulls	Total Children	Lows 0-9 µg/dL	Highs ≥ 10 µg/dL	Nulls	Total Children
Tioga	210	4	9	**223**	312	10	13	**335**	390	11	23	**424**	395	11	24	**430**	421	11	32	**464**
Union	208	8	4	**220**	366	10	11	**387**	473	12	14	**499**	484	12	15	**511**	499	12	15	**526**
Venango	224	8	1	**233**	458	13	3	**474**	501	15	5	**521**	504	15	6	**525**	520	15	6	**541**
Warren	156	9	0	**165**	306	15	1	**322**	398	22	1	**421**	400	22	1	**423**	420	22	2	**444**
Washington	652	24	7	**683**	1,066	35	16	**1,117**	1,430	43	18	**1,491**	1,444	43	18	**1,505**	1,494	44	21	**1,559**
Wayne	189	2	2	**193**	326	5	2	**333**	443	5	2	**450**	449	5	2	**456**	470	5	2	**477**
Westmoreland	1,271	19	17	**1,307**	2,322	26	36	**2,384**	2,552	39	36	**2,627**	2,577	40	36	**2,653**	2,640	40	36	**2,716**
Wyoming	82	0	1	**83**	122	0	1	**123**	181	2	1	**184**	183	2	1	**186**	199	2	1	**202**
York	1,882	94	2	**1,978**	2,930	123	11	**3,064**	3,955	173	17	**4,145**	4,090	179	20	**4,289**	4,218	190	21	**4,429**
All 67 counties	**71,463**	**1,981**	**383**	**73,827**	**107,990**	**2,389**	**687**	**111,066**	**143,120**	**3,354**	**882**	**147,356**	**146,642**	**3,437**	**900**	**150,979**	**154,104**	**3,551**	**941**	**158,596**

Pennsylvania Children Less Than 7 Years of Age Tested for Lead in 2011



COUNTY LEVEL

Children Tested for Lead in 2011 by:

i) Age
ii) Race
iii) County of residence

COUNTY LEVEL: Children Tested for Lead - By age, race and county of residence

The number of Pennsylvania children tested for lead in 2011 by age, race and county of residence

Race Key: **A** = Asian, **B** = Black or African-American, **W** = White, **O** = Other, **U** = Unknown, **Tot** = Total Children.

County	1 and 2 Years (12-35 months)						< 3 Years (0-35 months)						< 6 Years (0-71 months)						< 7 Years (0-83 months)						< 16 Years (0-191 months)					
	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot
Adams	0	1	45	1	459	**506**	0	2	63	2	585	**652**	3	8	234	2	604	**851**	3	8	235	2	605	**853**	3	11	251	5	684	**954**
Allegheny	155	2,017	2,713	42	1,792	**6,719**	197	2,359	4,043	52	2,870	**9,521**	295	4,190	5,539	92	3,225	**13,341**	296	4,248	5,590	93	3,242	**13,469**	299	4,322	5,744	93	3,277	**13,735**
Armstrong	0	7	217	0	359	**583**	0	8	242	0	397	**647**	0	11	284	0	420	**715**	0	11	287	0	421	**719**	0	11	296	0	422	**729**
Beaver	1	49	204	1	483	**738**	2	62	337	2	985	**1,388**	2	84	444	3	1,056	**1,589**	2	86	459	3	1,063	**1,613**	2	89	483	3	1,066	**1,643**
Bedford	1	0	85	2	139	**227**	1	0	111	2	315	**429**	1	1	140	2	323	**467**	1	1	142	2	323	**469**	1	2	154	2	323	**482**
Berks	5	134	835	449	1,542	**2,965**	6	167	974	589	1,838	**3,574**	9	308	1,470	812	2,551	**5,150**	10	326	1,541	849	2,701	**5,427**	11	382	1,738	1,020	3,188	**6,339**
Blair	0	7	223	4	405	**639**	1	15	387	5	809	**1,217**	1	20	483	6	865	**1,375**	1	21	493	6	867	**1,388**	1	22	511	7	872	**1,413**
Bradford	1	0	45	0	185	**231**	1	1	62	0	329	**393**	1	4	94	0	411	**510**	1	4	99	0	420	**524**	1	4	104	0	435	**544**
Bucks	22	25	211	24	1,722	**2,004**	28	35	322	27	2,588	**3,000**	39	63	397	50	3,258	**3,807**	39	63	400	50	3,336	**3,888**	40	69	415	55	3,484	**4,063**
Butler	7	14	387	0	225	**633**	11	18	693	1	410	**1,133**	11	19	780	1	448	**1,259**	11	19	788	1	454	**1,273**	11	33	880	1	465	**1,390**
Cambria	0	36	138	0	396	**570**	0	44	201	1	781	**1,027**	1	86	388	1	898	**1,374**	1	87	402	1	905	**1,396**	1	88	418	1	907	**1,415**
Cameron	0	0	9	0	25	**34**	1	0	13	0	30	**44**	1	0	24	0	35	**60**	1	0	25	0	36	**62**	1	0	26	0	36	**63**
Carbon	0	3	66	2	152	**223**	0	4	96	2	391	**493**	0	17	188	8	455	**668**	0	17	195	8	459	**679**	0	17	201	8	496	**722**
Centre	4	4	56	1	250	**315**	8	6	108	1	754	**877**	10	9	132	1	793	**945**	10	9	134	1	795	**949**	11	10	145	1	819	**986**
Chester	5	40	186	73	1,172	**1,476**	5	50	260	145	1,880	**2,340**	17	169	621	171	2,107	**3,085**	18	171	636	172	2,122	**3,119**	19	175	660	174	2,180	**3,208**
Clarion	0	0	52	0	139	**191**	0	0	83	0	279	**362**	1	1	99	0	312	**413**	1	1	105	0	317	**424**	1	1	108	0	319	**429**
Clearfield	0	1	169	0	313	**483**	0	1	210	0	660	**871**	0	2	255	0	716	**973**	0	2	258	0	718	**978**	0	2	267	0	724	**993**
Clinton	0	0	26	1	97	**124**	0	0	51	2	263	**316**	0	0	74	2	338	**414**	0	0	78	2	342	**422**	1	0	87	2	358	**448**
Columbia	0	0	5	0	174	**179**	0	0	7	0	400	**407**	0	4	27	0	446	**477**	0	4	27	0	452	**483**	0	4	28	0	463	**495**
Crawford	1	7	211	0	126	**345**	2	12	329	0	301	**644**	3	15	425	0	332	**775**	3	15	432	1	335	**786**	3	15	457	1	338	**814**
Cumberland	4	8	56	3	583	**654**	4	9	71	3	869	**956**	12	42	251	3	992	**1,300**	12	42	254	3	1,007	**1,318**	12	42	259	3	1,060	**1,376**
Dauphin	5	107	128	5	1,392	**1,637**	5	130	150	14	2,154	**2,453**	25	573	483	16	2,703	**3,800**	31	620	511	16	2,763	**3,941**	36	641	523	16	2,843	**4,059**
Delaware	22	520	128	70	2,918	**3,658**	27	649	173	91	4,338	**5,278**	45	1,400	314	169	5,200	**7,128**	47	1,537	341	177	5,287	**7,389**	49	1,598	360	180	5,578	**7,765**
Elk	0	0	56	0	28	**84**	0	0	140	0	72	**212**	1	2	189	0	82	**274**	1	3	199	0	82	**285**	1	3	203	0	85	**292**
Erie	18	386	1,071	2	929	**2,406**	26	528	1,523	5	1,520	**3,602**	50	904	2,178	27	1,914	**5,073**	51	945	2,219	28	1,958	**5,201**	52	1,023	2,391	28	2,016	**5,510**
Fayette	5	38	427	0	425	**895**	6	55	626	0	649	**1,336**	6	68	806	0	756	**1,636**	6	68	835	0	766	**1,675**	7	69	875	0	786	**1,737**
Forest	0	0	6	0	11	**17**	0	0	9	0	24	**33**	0	0	14	0	25	**39**	0	0	14	0	25	**39**	0	0	15	0	25	**40**
Franklin	0	7	197	6	516	**726**	0	9	226	7	1,103	**1,345**	3	32	386	20	1,222	**1,663**	3	32	395	21	1,233	**1,684**	3	32	404	22	1,265	**1,726**

COUNTY LEVEL: Children Tested for Lead - By age, race and county of residence

The number of Pennsylvania children tested for lead in 2011 by age, race and county of residence

Race Key: **A** = Asian, **B** = Black or African-American, **W** = White, **O** = Other, **U** = Unknown, **Tot** = Total Children.

County	1 and 2 Years (12-35 months)						< 3 Years (0-35 months)						< 6 Years (0-71 months)						< 7 Years (0-83 months)						< 16 Years (0-191 months)					
	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot
Fulton	0	1	37	1	62	**101**	0	1	41	1	104	**147**	0	1	52	1	137	**191**	0	1	52	1	139	**193**	0	1	55	1	145	**202**
Greene	0	0	113	0	67	**180**	0	1	151	0	83	**235**	0	3	221	0	103	**327**	0	3	223	0	104	**330**	0	3	228	0	108	**339**
Huntingdon	1	4	80	0	93	**178**	1	4	141	0	223	**369**	1	4	173	0	243	**421**	1	5	180	0	244	**430**	1	6	185	0	246	**438**
Indiana	2	6	100	0	271	**379**	2	9	180	0	575	**766**	4	12	272	0	607	**895**	4	12	273	0	610	**899**	4	12	278	0	614	**908**
Jefferson	1	1	72	0	154	**228**	1	2	98	0	347	**448**	1	2	157	0	395	**555**	1	2	160	0	399	**562**	1	2	166	0	400	**569**
Juniata	0	0	34	1	76	**111**	0	0	40	1	161	**202**	0	1	84	1	181	**267**	0	1	86	1	182	**270**	0	1	88	1	187	**277**
Lackawanna	5	30	162	30	767	**994**	5	35	227	37	1,241	**1,545**	14	143	599	179	1,455	**2,390**	14	151	617	181	1,496	**2,459**	15	153	662	182	1,598	**2,610**
Lancaster	6	42	236	25	1,567	**1,876**	7	45	273	37	2,338	**2,700**	20	146	627	48	2,861	**3,702**	20	150	653	51	2,911	**3,785**	27	156	678	51	3,142	**4,054**
Lawrence	4	28	237	1	80	**350**	5	38	311	1	135	**490**	9	56	447	1	160	**673**	9	56	451	1	161	**678**	9	63	469	1	163	**705**
Lebanon	3	2	111	7	487	**610**	3	3	129	7	731	**873**	7	29	385	15	806	**1,242**	7	30	394	15	816	**1,262**	7	30	401	15	868	**1,321**
Lehigh	2	67	264	14	1,702	**2,049**	3	78	305	14	2,474	**2,874**	10	185	751	37	2,667	**3,650**	11	189	767	38	2,703	**3,708**	11	202	833	39	2,826	**3,911**
Luzerne	2	39	205	26	941	**1,213**	2	47	297	26	1,916	**2,288**	10	203	753	196	2,222	**3,384**	10	207	764	196	2,256	**3,433**	10	212	803	196	2,366	**3,587**
Lycoming	7	25	243	8	177	**460**	11	35	389	11	427	**873**	17	72	505	11	496	**1,101**	18	74	514	11	499	**1,116**	20	75	541	12	514	**1,162**
McKean	0	1	164	0	245	**410**	1	1	232	0	394	**628**	1	1	276	0	418	**696**	1	1	281	0	418	**701**	1	2	294	0	422	**719**
Mercer	0	40	264	1	179	**484**	0	49	372	2	332	**755**	0	63	462	3	365	**893**	0	66	464	3	366	**899**	0	70	491	3	375	**939**
Mifflin	0	0	36	0	102	**138**	0	1	57	0	310	**368**	1	9	144	0	374	**528**	1	9	145	0	379	**534**	1	9	148	0	393	**551**
Monroe	2	43	93	13	819	**970**	2	44	108	15	1,046	**1,215**	4	65	141	25	1,196	**1,431**	4	68	146	25	1,221	**1,464**	4	72	157	27	1,309	**1,569**
Montgomery	47	79	167	85	3,609	**3,987**	75	98	272	107	5,486	**6,038**	101	317	462	279	6,457	**7,616**	102	334	479	289	6,583	**7,787**	102	357	502	304	6,853	**8,118**
Montour	0	0	1	0	76	**77**	0	0	2	0	150	**152**	0	0	2	0	177	**179**	0	0	2	0	178	**180**	0	0	2	0	181	**183**
Northampton	10	44	207	43	1,407	**1,711**	11	48	239	47	1,663	**2,008**	15	96	377	95	1,851	**2,434**	15	97	383	96	1,879	**2,470**	15	99	393	97	1,984	**2,588**
Northumberland	0	0	23	0	396	**419**	1	0	29	0	780	**810**	1	0	76	0	946	**1,023**	1	0	82	0	954	**1,037**	1	0	86	0	973	**1,060**
Perry	0	2	46	1	130	**179**	0	2	52	2	301	**357**	0	5	85	2	332	**424**	0	5	89	2	337	**433**	0	5	90	2	346	**443**
Philadelphia	158	1,165	385	864	18,006	**20,578**	234	1,489	476	1,059	25,417	**28,675**	458	3,326	696	1,712	33,330	**39,522**	478	3,684	719	1,785	34,324	**40,990**	506	4,222	749	1,897	36,171	**43,545**
Pike	0	6	74	5	248	**333**	0	7	97	5	361	**470**	0	19	156	13	407	**595**	0	21	158	13	408	**600**	0	23	159	14	430	**626**
Potter	0	0	33	0	193	**226**	0	0	36	0	214	**250**	0	0	46	0	220	**266**	0	0	48	0	221	**269**	0	0	51	0	225	**276**
Schuylkill	0	4	70	12	573	**659**	0	6	143	18	1,276	**1,443**	2	24	347	29	1,360	**1,762**	2	24	352	29	1,371	**1,778**	2	24	362	29	1,426	**1,843**
Snyder	0	0	6	0	120	**126**	0	1	7	0	222	**230**	1	3	27	0	264	**295**	1	3	27	0	268	**299**	1	3	27	0	274	**305**
Somerset	0	1	69	1	193	**264**	0	2	105	2	400	**509**	0	3	171	4	463	**641**	0	3	174	4	464	**645**	0	3	181	4	468	**656**
Sullivan	0	0	4	0	10	**14**	0	0	10	0	21	**31**	0	0	10	0	22	**32**	0	0	10	0	23	**33**	0	0	11	0	24	**35**

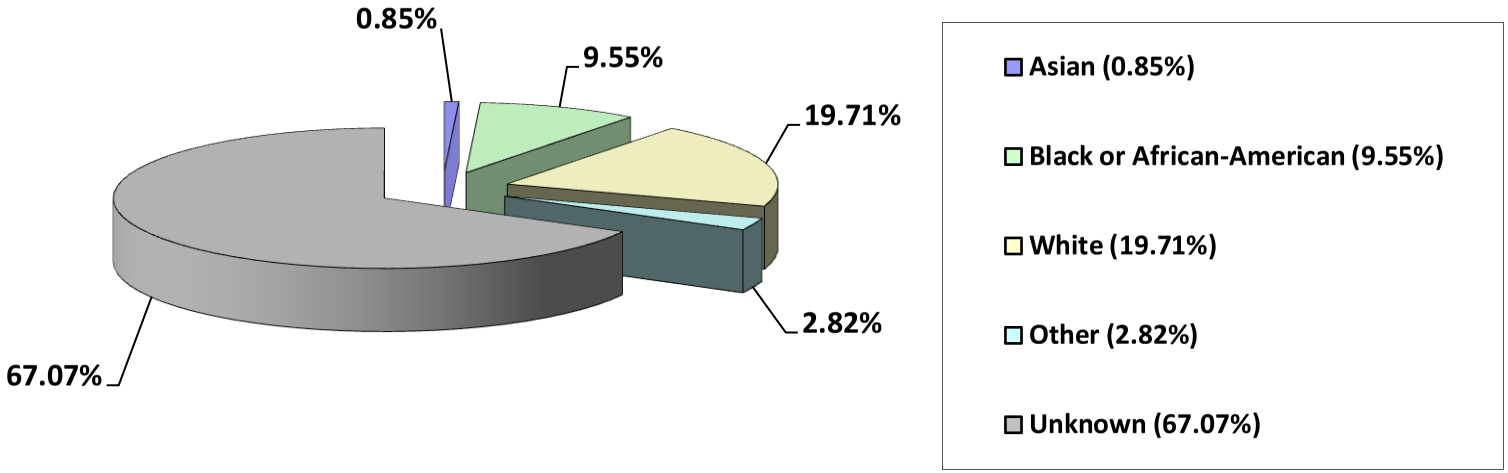
COUNTY LEVEL: Children Tested for Lead - By age, race and county of residence

The number of Pennsylvania children tested for lead in 2011 by age, race and county of residence

Race Key: **A** = Asian, **B** = Black or African-American, **W** = White, **O** = Other, **U** = Unknown, **Tot** = Total Children.

County	1 and 2 Years (12-35 months)						< 3 Years (0-35 months)						< 6 Years (0-71 months)						< 7 Years (0-83 months)						< 16 Years (0-191 months)					
	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot
Susquehanna	1	1	82	2	90	**176**	1	1	101	2	123	**228**	1	5	149	2	141	**298**	1	6	153	2	142	**304**	1	6	168	3	151	**329**
Tioga	0	2	64	0	157	**223**	0	2	92	1	240	**335**	0	3	151	2	268	**424**	0	3	156	2	269	**430**	0	3	183	2	276	**464**
Union	0	0	7	0	213	**220**	0	0	11	0	376	**387**	0	3	44	0	452	**499**	0	3	44	0	464	**511**	0	3	44	0	479	**526**
Venango	1	3	102	0	127	**233**	1	4	175	0	294	**474**	1	4	209	0	307	**521**	1	4	213	0	307	**525**	2	5	227	0	307	**541**
Warren	0	0	42	0	123	**165**	0	0	66	1	255	**322**	0	0	116	3	302	**421**	0	0	117	3	303	**423**	0	0	138	3	303	**444**
Washington	6	27	417	2	231	**683**	7	47	623	2	438	**1,117**	7	88	899	6	491	**1,491**	7	89	909	6	494	**1,505**	9	92	948	7	503	**1,559**
Wayne	0	0	48	1	144	**193**	0	1	65	1	266	**333**	1	4	151	2	292	**450**	1	4	156	2	293	**456**	1	5	165	3	303	**477**
Westmoreland	4	50	465	7	781	**1,307**	9	68	840	13	1,454	**2,384**	11	95	954	15	1,552	**2,627**	11	100	965	15	1,562	**2,653**	13	104	1,007	15	1,577	**2,716**
Wyoming	1	1	14	0	67	**83**	1	1	21	0	100	**123**	1	2	62	1	118	**184**	1	2	62	1	120	**186**	1	2	64	1	134	**202**
York	11	227	472	14	1,254	**1,978**	13	273	601	23	2,154	**3,064**	16	633	1,120	44	2,332	**4,145**	17	675	1,189	45	2,363	**4,289**	21	701	1,232	45	2,430	**4,429**
All 67 Counties	530	5,352	13,201	1,850	52,894	73,827	727	6,607	18,924	2,386	82,422	111,066	1,252	13,657	29,078	4,112	99,257	147,356	1,288	14,422	29,751	4,253	101,265	150,979	1,352	15,391	31,269	4,576	106,008	158,596

Pennsylvania Children < 7 Years, Reported to Have Been Tested for Lead in 2011, by Race



COUNTY LEVEL: Percentages - Children (< 7 Years of age) Tested for Lead - By county of residence

The percentage of Pennsylvania children, less than 7 Years of age, tested for lead in 2011 by county of residence

	PA County	Total Children Tested [24]	2010 Census Population Under 7	Percent Tested [25]		PA County	Total Children Tested	2010 Census Population	Percent Tested		PA County	Total Children Tested	2010 Census Population	Percent Tested
1	Adams	853	8,001	10.66%	30	Greene	330	2,794	11.81%	59	Tioga	430	3,100	13.87%
2	Allegheny	13,469	89,121	15.11%	31	Huntingdon	430	3,403	12.64%	60	Union	511	3,058	16.71%
3	Armstrong	719	5,038	14.27%	32	Indiana	899	6,354	14.15%	61	Venango	525	4,265	12.31%
4	Beaver	1,613	12,625	12.78%	33	Jefferson	562	3,626	15.50%	62	Warren	423	2,942	14.38%
5	Bedford	469	3,721	12.60%	34	Juniata	270	2,213	12.20%	63	Washington	1,505	15,174	9.92%
6	Berks	5,427	36,035	15.06%	35	Lackawanna	2,459	16,230	15.15%	64	Wayne	456	3,139	14.53%
7	Blair	1,388	10,244	13.55%	36	Lancaster	3,785	49,568	7.64%	65	Westmoreland	2,653	25,172	10.54%
8	Bradford	524	5,258	9.97%	37	Lawrence	678	6,878	9.86%	66	Wyoming	186	2,145	8.67%
9	Bucks	3,888	49,300	7.89%	38	Lebanon	1,262	11,782	10.71%	67	York	4,289	37,816	11.34%
10	Butler	1,273	14,395	8.84%	39	Lehigh	3,708	30,329	12.23%		All 67 Counties	**150,979**	**1,028,282**	**14.68%**
11	Cambria	1,396	10,308	13.54%	40	Luzerne	3,433	23,386	14.68%					
12	Cameron	62	305	20.33%	41	Lycoming	1,116	9,165	12.18%					
13	Carbon	679	4,905	13.84%	42	McKean	701	3,318	21.13%					
14	Centre	949	9,435	10.06%	43	Mercer	899	8,632	10.41%					
15	Chester	3,119	44,938	6.94%	44	Mifflin	534	4,084	13.08%					
16	Clarion	424	2,852	14.87%	45	Monroe	1,464	12,675	11.55%					
17	Clearfield	978	5,772	16.94%	46	Montgomery	7,787	67,338	11.56%					
18	Clinton	422	3,100	13.61%	47	Montour	180	1,491	12.07%					
19	Columbia	483	4,545	10.63%	48	Northampton	2,470	23,225	10.64%					
20	Crawford	786	7,108	11.06%	49	Northumberland	1,037	7,370	14.07%					
21	Cumberland	1,318	18,099	7.28%	50	Perry	433	3,880	11.16%					
22	Dauphin	3,941	23,315	16.90%	51	Philadelphia	40,990	138,163	29.67%					
23	Delaware	7,389	47,874	15.43%	52	Pike	600	4,113	14.59%					
24	Elk	285	2,196	12.98%	53	Potter	269	1,369	19.65%					
25	Erie	5,201	23,447	22.18%	54	Schuylkill	1,778	10,924	16.28%					
26	Fayette	1,675	9,715	17.24%	55	Snyder	299	3,413	8.76%					
27	Forest	39	255	15.29%	56	Somerset	645	5,282	12.21%					
28	Franklin	1,684	13,820	12.19%	57	Sullivan	33	342	9.65%					
29	Fulton	193	1,253	15.40%	58	Susquehanna	304	3,144	9.67%					

RANKING: Top 15 testing percentages by county, for children under 7 years of age.

1. **Philadelphia (29.67%)**
2. **Erie (22.18%)**
3. **McKean (21.13%)**
4. **Cameron (20.33%)**
5. **Potter (19.65%)**
6. **Fayette (17.24%)**
7. **Clearfield (16.94%)**
8. **Dauphin (16.90%)**
9. **Union (16.71%)**
10. **Schuylkill (16.28%)**
11. **Jefferson (15.50%)**
12. **Delaware (15.43%)**
13. **Fulton (15.40%)**
14. **Forest (15.29%)**
15. **Lackawanna (15.15%)**

COUNTY LEVEL

Children Tested and Confirmed Elevated [26] in 2011 by:

- **i) Age**
- **ii) First confirmed elevated blood lead level[27]**
- **iii) County of residence**

COUNTY LEVEL: Children Tested and Confirmed Elevated – By age, first confirmed elevated blood lead level and county of residence

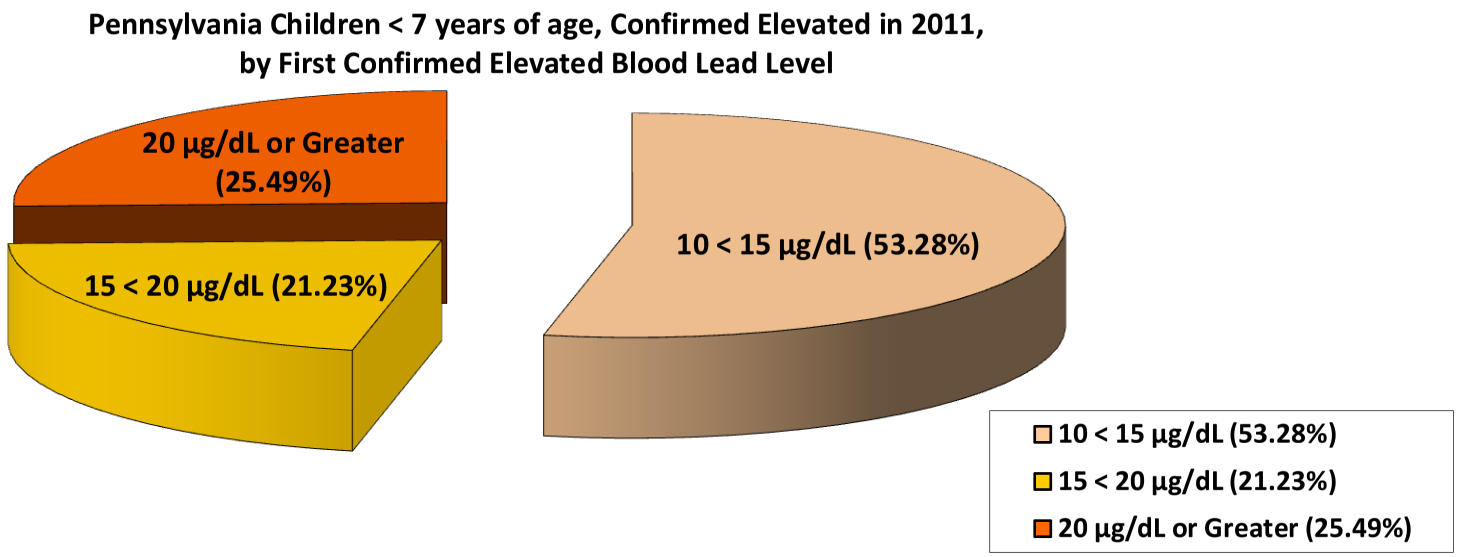
County	The number of Pennsylvania children tested and confirmed elevated in 2011 by age, confirmed elevated blood lead level and county of residence																			
	1 and 2 Years (12-35 months)				< 3 Years (0-35 months)				< 6 Years (0-71 months)				< 7 Years (0-83 months)				< 16 Years (0-191 months)			
	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total
Adams	5	1	1	**7**	5	1	1	**7**	5	3	2	**10**	5	3	2	**10**	5	3	2	**10**
Allegheny	46	14	16	**76**	50	16	16	**82**	72	24	32	**128**	72	25	33	**130**	73	25	37	**135**
Armstrong	2	1	1	**4**	3	1	1	**5**	4	1	2	**7**	4	1	2	**7**	4	1	2	**7**
Beaver	5	1	1	**7**	5	1	1	**7**	5	1	1	**7**	5	1	1	**7**	6	2	2	**10**
Bedford	2	0	0	**2**	2	0	0	**2**	2	1	2	**5**	2	1	2	**5**	3	1	2	**6**
Berks	57	25	19	**101**	61	25	19	**105**	89	34	37	**160**	91	35	43	**169**	94	35	51	**180**
Blair	3	5	4	**12**	4	5	5	**14**	6	8	7	**21**	7	8	8	**23**	7	8	9	**24**
Bradford	1	0	0	**1**	1	0	0	**1**	1	0	0	**1**	2	0	0	**2**	2	0	0	**2**
Bucks	2	1	2	**5**	3	1	2	**6**	3	2	4	**9**	3	2	4	**9**	4	2	4	**10**
Butler	1	2	1	**4**	2	2	1	**5**	3	3	3	**9**	3	3	3	**9**	3	3	3	**9**
Cambria	6	3	1	**10**	6	3	1	**10**	12	5	1	**18**	12	6	1	**19**	12	6	1	**19**
Cameron	0	0	0	**0**	1	0	0	**1**	1	0	0	**1**	1	0	0	**1**	1	0	0	**1**
Carbon	2	0	0	**2**	3	0	0	**3**	3	0	1	**4**	3	0	1	**4**	3	0	1	**4**
Centre	1	1	1	**3**	1	1	1	**3**	1	1	1	**3**	1	1	1	**3**	1	1	1	**3**
Chester	5	3	1	**9**	6	3	1	**10**	10	5	5	**20**	10	5	5	**20**	10	5	7	**22**
Clarion	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
Clearfield	1	1	0	**2**	1	1	0	**2**	1	1	1	**3**	1	1	1	**3**	1	3	1	**5**
Clinton	0	0	0	**0**	1	0	0	**1**	2	0	0	**2**	2	0	0	**2**	2	0	0	**2**
Columbia	0	1	0	**1**	2	1	0	**3**	2	1	0	**3**	2	1	0	**3**	2	1	0	**3**
Crawford	5	0	2	**7**	5	0	2	**7**	8	2	2	**12**	8	2	2	**12**	8	2	2	**12**
Cumberland	2	1	0	**3**	2	1	0	**3**	3	1	1	**5**	3	1	1	**5**	3	1	2	**6**
Dauphin	17	8	4	**29**	18	8	6	**32**	27	19	17	**63**	29	20	17	**66**	30	21	17	**68**
Delaware	17	8	9	**34**	17	8	10	**35**	24	11	21	**56**	24	11	26	**61**	24	11	29	**64**
Elk	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	1	**1**
Erie	27	6	8	**41**	29	7	8	**44**	50	14	17	**81**	50	14	19	**83**	51	16	21	**88**
Fayette	7	0	0	**7**	8	0	0	**8**	8	0	0	**8**	8	0	0	**8**	8	0	1	**9**
Forest	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
Franklin	0	3	1	**4**	0	4	1	**5**	0	4	3	**7**	0	4	3	**7**	1	4	4	**9**
Fulton	1	0	0	**1**	1	0	0	**1**	1	0	0	**1**	1	0	0	**1**	1	0	1	**2**

COUNTY LEVEL: Children Tested and Confirmed Elevated – By age, first confirmed elevated blood lead level and county of residence

County	The number of Pennsylvania children tested and confirmed elevated in 2011 by age, confirmed elevated blood lead level and county of residence																			
	1 and 2 Years (12-35 months)				< 3 Years (0-35 months)				< 6 Years (0-71 months)				< 7 Years (0-83 months)				< 16 Years (0-191 months)			
	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total
Greene	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
Huntingdon	1	0	2	**3**	1	0	2	**3**	1	0	3	**4**	1	0	3	**4**	1	0	3	**4**
Indiana	2	1	0	**3**	2	1	0	**3**	3	1	0	**4**	3	1	0	**4**	3	1	0	**4**
Jefferson	3	0	0	**3**	3	0	0	**3**	3	0	0	**3**	3	0	0	**3**	3	0	0	**3**
Juniata	1	1	0	**2**	1	1	0	**2**	1	1	1	**3**	1	1	1	**3**	1	1	1	**3**
Lackawanna	17	4	1	**22**	20	4	1	**25**	27	9	6	**42**	27	9	6	**42**	27	9	6	**42**
Lancaster	23	8	13	**44**	25	8	13	**46**	38	15	26	**79**	39	17	28	**84**	40	17	32	**89**
Lawrence	0	1	1	**2**	0	1	1	**2**	0	1	1	**2**	0	1	1	**2**	0	1	2	**3**
Lebanon	5	3	4	**12**	5	3	4	**12**	8	4	8	**20**	8	4	9	**21**	8	5	9	**22**
Lehigh	16	2	3	**21**	18	2	3	**23**	21	3	9	**33**	21	3	9	**33**	21	3	9	**33**
Luzerne	9	5	6	**20**	13	7	6	**26**	26	10	9	**45**	26	10	9	**45**	26	10	9	**45**
Lycoming	4	0	0	**4**	4	0	0	**4**	6	3	2	**11**	6	3	3	**12**	6	3	4	**13**
McKean	2	1	4	**7**	2	1	4	**7**	2	1	5	**8**	2	1	5	**8**	2	1	5	**8**
Mercer	8	3	1	**12**	8	3	1	**12**	12	4	1	**17**	12	4	1	**17**	13	4	2	**19**
Mifflin	0	0	0	**0**	0	2	1	**3**	0	2	1	**3**	0	2	1	**3**	0	2	1	**3**
Monroe	3	0	1	**4**	3	0	1	**4**	3	0	1	**4**	3	0	1	**4**	3	0	1	**4**
Montgomery	26	7	12	**45**	28	8	14	**50**	42	12	21	**75**	44	12	24	**80**	45	12	25	**82**
Montour	0	0	0	**0**	0	1	0	**1**	0	1	0	**1**	0	1	0	**1**	0	1	0	**1**
Northampton	7	1	2	**10**	7	2	3	**12**	9	2	4	**15**	9	2	4	**15**	9	2	4	**15**
Northumberland	6	2	1	**9**	7	3	1	**11**	9	4	2	**15**	9	4	2	**15**	9	4	2	**15**
Perry	0	1	0	**1**	0	1	0	**1**	1	2	0	**3**	1	2	0	**3**	1	2	0	**3**
Philadelphia	234	76	73	**383**	251	79	75	**405**	373	146	151	**670**	390	154	156	**700**	410	159	170	**739**
Pike	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
Potter	0	0	0	**0**	0	0	0	**0**	1	0	0	**1**	1	0	0	**1**	1	0	0	**1**
Schuylkill	10	4	4	**18**	12	4	5	**21**	16	4	8	**28**	16	4	8	**28**	18	4	8	**30**
Snyder	2	0	1	**3**	3	0	1	**4**	3	0	1	**4**	3	0	1	**4**	3	0	1	**4**
Somerset	1	1	1	**3**	1	2	1	**4**	1	2	2	**5**	1	2	2	**5**	2	3	2	**7**
Sullivan	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
Susquehanna	0	2	0	**2**	0	2	0	**2**	0	2	0	**2**	0	2	0	**2**	0	2	0	**2**

COUNTY LEVEL: Children Tested and Confirmed Elevated – By age, first confirmed elevated blood lead level and county of residence

County	The number of Pennsylvania children tested and confirmed elevated in 2011 by age, confirmed elevated blood lead level and county of residence																			
	1 and 2 Years (12-35 months)				< 3 Years (0-35 months)				< 6 Years (0-71 months)				< 7 Years (0-83 months)				< 16 Years (0-191 months)			
	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total
Tioga	0	1	0	**1**	0	1	0	**1**	0	1	0	**1**	0	1	0	**1**	0	1	0	**1**
Union	0	0	1	**1**	0	0	1	**1**	2	0	1	**3**	2	0	1	**3**	2	0	1	**3**
Venango	3	1	0	**4**	5	1	0	**6**	5	1	1	**7**	5	1	1	**7**	5	1	1	**7**
Warren	0	0	3	**3**	0	0	3	**3**	2	1	6	**9**	2	1	6	**9**	2	1	6	**9**
Washington	4	4	1	**9**	5	5	1	**11**	9	5	4	**18**	9	5	4	**18**	9	5	5	**19**
Wayne	1	0	1	**2**	1	0	1	**2**	1	0	1	**2**	1	0	1	**2**	1	0	1	**2**
Westmoreland	2	1	3	**6**	3	2	4	**9**	9	4	7	**20**	10	4	8	**22**	10	4	8	**22**
Wyoming	0	0	0	**0**	0	0	0	**0**	0	0	2	**2**	0	0	2	**2**	0	0	2	**2**
York	22	13	9	**44**	27	13	10	**50**	35	18	21	**74**	35	18	25	**78**	36	18	26	**80**
All 67 Counties	**627**	**228**	**220**	**1,075**	**692**	**246**	**233**	**1,171**	**1,012**	**400**	**465**	**1,877**	**1,039**	**414**	**497**	**1,950**	**1,076**	**427**	**547**	**2,050**



COUNTY LEVEL

Children Tested and Confirmed Elevated in 2011 by:

i) Age
ii) Race
iii) County of residence

COUNTY LEVEL: Children Tested and Confirmed Elevated – By age, race and county of residence

The number of Pennsylvania children tested and confirmed elevated in 2011 by age, race and county of residence

Race Key: **A** = Asian, **B** = Black or African-American, **W** = White, **O** = Other, **U** = Unknown, **Tot** = Total.

	County	1 and 2 Years (12-35 months)						< 3 Years (0-35 months)						< 6 Years (0-71 months)						< 7 Years (0-83 months)						< 16 Years (0-191 months)					
		A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot
1	Adams	0	0	1	0	6	**7**	0	0	1	0	6	**7**	0	0	4	0	6	**10**	0	0	4	0	6	**10**	0	0	4	0	6	**10**
2	Allegheny	1	37	24	0	14	**76**	1	38	28	1	14	**82**	3	67	39	1	18	**128**	3	69	39	1	18	**130**	3	73	40	1	18	**135**
3	Armstrong	0	0	3	0	1	**4**	0	0	4	0	1	**5**	0	0	6	0	1	**7**	0	0	6	0	1	**7**	0	0	6	0	1	**7**
4	Beaver	0	1	5	0	1	**7**	0	1	5	0	1	**7**	0	1	5	0	1	**7**	0	1	5	0	1	**7**	0	1	8	0	1	**10**
5	Bedford	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	5	0	0	**5**	0	0	5	0	0	**5**	0	0	6	0	0	**6**
6	Berks	0	7	52	24	18	**101**	0	7	54	25	19	**105**	0	13	82	37	28	**160**	0	16	84	40	29	**169**	0	19	89	41	31	**180**
7	Blair	0	2	9	0	1	**12**	0	2	11	0	1	**14**	0	3	17	0	1	**21**	0	4	18	0	1	**23**	0	4	19	0	1	**24**
8	Bradford	0	0	0	0	1	**1**	0	0	0	0	1	**1**	0	0	0	0	1	**1**	0	0	1	0	1	**2**	0	0	1	0	1	**2**
9	Bucks	0	1	2	0	2	**5**	0	1	2	0	3	**6**	0	1	4	0	4	**9**	0	1	4	0	4	**9**	1	1	4	0	4	**10**
10	Butler	1	0	3	0	0	**4**	1	0	4	0	0	**5**	1	0	8	0	0	**9**	1	0	8	0	0	**9**	1	0	8	0	0	**9**
11	Cambria	0	1	7	0	2	**10**	0	1	7	0	2	**10**	0	4	11	0	3	**18**	0	4	12	0	3	**19**	0	4	12	0	3	**19**
12	Cameron	0	0	0	0	0	**0**	0	0	1	0	0	**1**	0	0	1	0	0	**1**	0	0	1	0	0	**1**	0	0	1	0	0	**1**
0	Carbon	0	0	1	0	1	**2**	0	0	1	0	2	**3**	0	0	1	0	3	**4**	0	0	1	0	3	**4**	0	0	1	0	3	**4**
14	Centre	0	0	3	0	0	**3**	0	0	3	0	0	**3**	0	0	3	0	0	**3**	0	0	3	0	0	**3**	0	0	3	0	0	**3**
15	Chester	0	2	0	1	6	**9**	0	2	1	1	6	**10**	0	2	7	2	9	**20**	0	2	7	2	9	**20**	0	3	8	2	9	**22**
16	Clarion	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**
17	Clearfield	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	1	2	0	0	**3**	0	1	2	0	0	**3**	0	1	4	0	0	**5**
18	Clinton	0	0	0	0	0	**0**	0	0	1	0	0	**1**	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**
19	Columbia	0	0	0	0	1	**1**	0	0	0	0	3	**3**	0	0	0	0	3	**3**	0	0	0	0	3	**3**	0	0	0	0	3	**3**
20	Crawford	0	0	7	0	0	**7**	0	0	7	0	0	**7**	0	0	12	0	0	**12**	0	0	12	0	0	**12**	0	0	12	0	0	**12**
21	Cumberland	0	0	1	0	2	**3**	0	0	1	0	2	**3**	0	1	2	0	2	**5**	0	1	2	0	2	**5**	0	1	3	0	2	**6**
22	Dauphin	0	13	9	0	7	**29**	0	14	10	0	8	**32**	0	30	22	0	11	**63**	0	33	22	0	11	**66**	0	33	22	0	13	**68**
23	Delaware	0	9	0	2	23	**34**	0	9	0	2	24	**35**	1	17	0	2	36	**56**	1	21	0	2	37	**61**	2	21	0	2	39	**64**
24	Elk	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	1	0	0	**1**
25	Erie	0	18	15	0	8	**41**	0	19	15	0	10	**44**	0	41	27	0	13	**81**	0	43	27	0	13	**83**	0	45	30	0	13	**88**
26	Fayette	0	0	4	0	3	**7**	0	0	5	0	3	**8**	0	0	5	0	3	**8**	0	0	5	0	3	**8**	0	0	6	0	3	**9**
27	Forest	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**
28	Franklin	0	0	1	0	3	**4**	0	0	1	0	4	**5**	0	0	3	0	4	**7**	0	0	3	0	4	**7**	0	0	4	0	5	**9**

COUNTY LEVEL: Children Tested and Confirmed Elevated – By age, race and county of residence

The number of Pennsylvania children tested and confirmed elevated in 2011 by age, race and county of residence

Race Key: **A** = Asian, **B** = Black or African-American, **W** = White, **O** = Other, **U** = Unknown, **Tot** = Total.

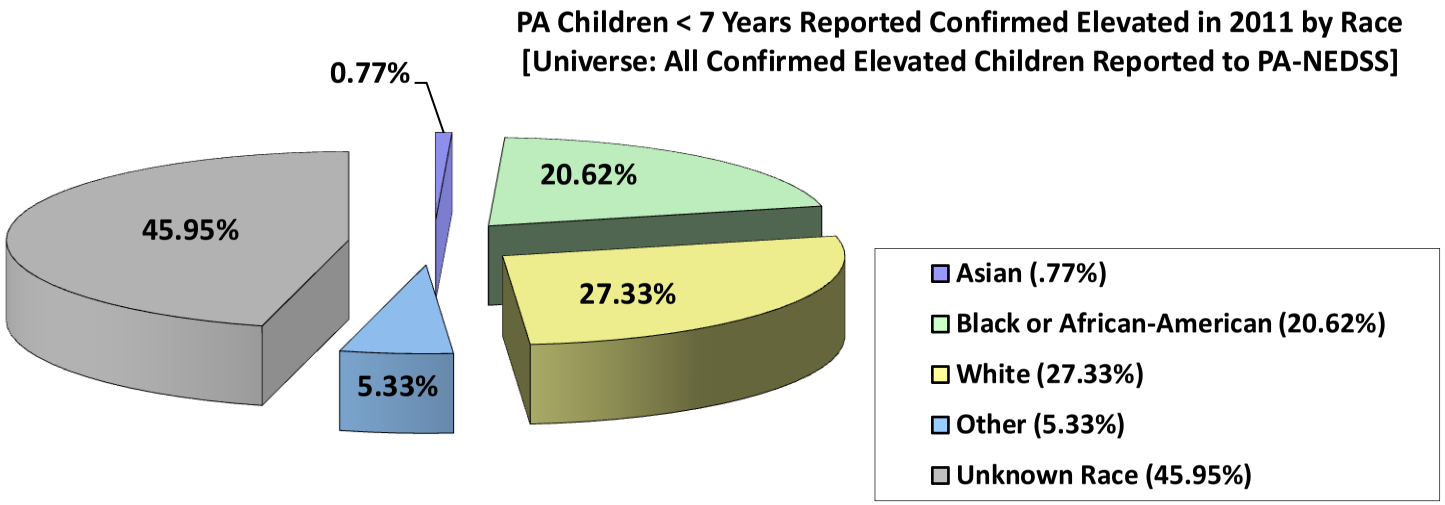
	County	1 and 2 Years (12-35 months)						< 3 Years (0-35 months)						< 6 Years (0-71 months)						< 7 Years (0-83 months)						< 16 Years (0-191 months)					
		A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot
29	Fulton	0	0	0	0	1	**1**	0	0	0	0	1	**1**	0	0	0	0	1	**1**	0	0	0	0	1	**1**	0	0	1	0	1	**2**
30	Greene	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**
31	Huntingdon	0	0	3	0	0	**3**	0	0	3	0	0	**3**	0	0	4	0	0	**4**	0	0	4	0	0	**4**	0	0	4	0	0	**4**
32	Indiana	0	0	2	0	1	**3**	0	0	2	0	1	**3**	0	0	2	0	2	**4**	0	0	2	0	2	**4**	0	0	2	0	2	**4**
33	Jefferson	0	0	3	0	0	**3**	0	0	3	0	0	**3**	0	0	3	0	0	**3**	0	0	3	0	0	**3**	0	0	3	0	0	**3**
34	Juniata	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	1	**3**	0	0	2	0	1	**3**	0	0	2	0	1	**3**
35	Lackawanna	0	5	6	0	11	**22**	0	5	7	0	13	**25**	1	8	13	0	20	**42**	1	8	13	0	20	**42**	1	8	13	0	20	**42**
36	Lancaster	1	4	14	0	25	**44**	1	4	14	0	27	**46**	1	11	33	0	34	**79**	1	11	38	0	34	**84**	1	12	38	0	38	**89**
37	Lawrence	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	3	0	0	**3**
38	Lebanon	0	0	8	0	4	**12**	0	0	8	0	4	**12**	0	0	16	0	4	**20**	0	1	16	0	4	**21**	0	1	17	0	4	**22**
39	Lehigh	0	1	3	0	17	**21**	0	1	3	0	19	**23**	0	3	9	0	21	**33**	0	3	9	0	21	**33**	0	3	9	0	21	**33**
40	Luzerne	0	0	7	0	13	**20**	0	0	7	0	19	**26**	1	1	16	1	26	**45**	1	1	16	1	26	**45**	1	1	16	1	26	**45**
41	Lycoming	0	1	3	0	0	**4**	0	1	3	0	0	**4**	0	4	6	0	1	**11**	0	4	6	0	2	**12**	0	4	7	0	2	**13**
42	McKean	0	0	7	0	0	**7**	0	0	7	0	0	**7**	0	0	8	0	0	**8**	0	0	8	0	0	**8**	0	0	8	0	0	**8**
43	Mercer	0	1	10	0	1	**12**	0	1	10	0	1	**12**	0	1	15	0	1	**17**	0	1	15	0	1	**17**	0	1	17	0	1	**19**
44	Mifflin	0	0	0	0	0	**0**	0	0	0	0	3	**3**	0	0	0	0	3	**3**	0	0	0	0	3	**3**	0	0	0	0	3	**3**
45	Monroe	0	0	1	0	3	**4**	0	0	1	0	3	**4**	0	0	1	0	3	**4**	0	0	1	0	3	**4**	0	0	1	0	3	**4**
46	Montgomery	0	6	5	4	30	**45**	0	6	7	4	33	**50**	0	14	10	6	45	**75**	0	16	10	6	48	**80**	0	17	10	6	49	**82**
47	Montour	0	0	0	0	0	**0**	0	0	0	0	1	**1**	0	0	0	0	1	**1**	0	0	0	0	1	**1**	0	0	0	0	1	**1**
48	Northampton	0	0	1	0	9	**10**	0	0	1	0	11	**12**	0	0	1	0	14	**15**	0	0	1	0	14	**15**	0	0	1	0	14	**15**
49	Northumberland	0	0	1	0	8	**9**	0	0	1	0	10	**11**	0	0	3	0	12	**15**	0	0	3	0	12	**15**	0	0	3	0	12	**15**
50	Perry	0	0	0	0	1	**1**	0	0	0	0	1	**1**	0	0	1	0	2	**3**	0	0	1	0	2	**3**	0	0	1	0	2	**3**
51	Philadelphia	5	43	3	30	302	**383**	5	46	5	32	317	**405**	6	123	6	47	488	**670**	6	136	6	48	504	**700**	6	159	6	55	513	**739**
52	Pike	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**
53	Potter	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	1	0	0	**1**	0	0	1	0	0	**1**	0	0	1	0	0	**1**
54	Schuylkill	0	1	9	1	7	**18**	0	1	9	1	10	**21**	0	1	13	1	13	**28**	0	1	13	1	13	**28**	0	1	13	1	15	**30**
55	Snyder	0	0	0	0	3	**3**	0	0	0	0	4	**4**	0	0	0	0	4	**4**	0	0	0	0	4	**4**	0	0	0	0	4	**4**

COUNTY LEVEL: Children Tested and Confirmed Elevated – By Age, race and county of residence

The number of Pennsylvania children tested and confirmed elevated in 2011 by age, race and county of residence

Race Key: **A** = Asian, **B** = Black or African-American, **W** = White, **O** = Other, **U** = Unknown, **Tot** = Total.

	County	1 and 2 Years (12-35 months)						< 3 Years (0-35 months)						< 6 Years (0-71 months)						< 7 Years (0-83 months)						< 16 Years (0-191 months)					
		A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot
56	Somerset	0	0	2	0	1	**3**	0	0	2	0	2	**4**	0	0	3	0	2	**5**	0	0	3	0	2	**5**	0	0	4	0	3	**7**
57	Sullivan	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**
58	Susquehanna	0	0	1	0	1	**2**	0	0	1	0	1	**2**	0	0	1	0	1	**2**	0	0	1	0	1	**2**	0	0	1	0	1	**2**
59	Tioga	0	0	1	0	0	**1**	0	0	1	0	0	**1**	0	0	1	0	0	**1**	0	0	1	0	0	**1**	0	0	1	0	0	**1**
60	Union	0	0	1	0	0	**1**	0	0	1	0	0	**1**	0	0	3	0	0	**3**	0	0	3	0	0	**3**	0	0	3	0	0	**3**
61	Venango	0	0	3	0	1	**4**	0	0	5	0	1	**6**	0	0	6	0	1	**7**	0	0	6	0	1	**7**	0	0	6	0	1	**7**
62	Warren	0	0	3	0	0	**3**	0	0	3	0	0	**3**	0	0	8	1	0	**9**	0	0	8	1	0	**9**	0	0	8	1	0	**9**
63	Washington	0	2	6	0	1	**9**	0	2	8	0	1	**11**	0	2	15	0	1	**18**	0	2	15	0	1	**18**	0	2	16	0	1	**19**
64	Wayne	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**
65	Westmoreland	0	1	4	0	1	**6**	0	1	4	0	4	**9**	0	3	13	0	4	**20**	0	3	15	0	4	**22**	0	3	15	0	4	**22**
66	Wyoming	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**
67	York	1	10	17	0	16	**44**	1	11	20	0	18	**50**	1	17	33	1	22	**74**	1	19	34	2	22	**78**	2	20	34	2	22	**80**
	All 67 Counties	**9**	**166**	**281**	**62**	**557**	**1,075**	**9**	**173**	**308**	**66**	**615**	**1,171**	**15**	**369**	**520**	**99**	**874**	**1,877**	**15**	**402**	**533**	**104**	**896**	**1,950**	**18**	**438**	**562**	**112**	**920**	**2,050**



COUNTY LEVEL: Percentages – Tested Children (< 7 Years) Confirmed Elevated- By county of residence

the percentage of Pennsylvania's tested children, less than 7 years of age, confirmed elevated in 2011 by county of residence

	PA County	Total Children Tested	Total Confirmed Elevated	Percent Confirmed Elevated [28]		PA County	Total Children Tested	Total Confirmed Elevated	Percent Confirmed Elevated		PA County	Total Children Tested	Total Confirmed Elevated	Percent Confirmed Elevated
1	Adams	853	10	1.17%	30	Greene	330	0	0%	59	Tioga	430	1	.23%
2	Allegheny	13,469	130	.97%	31	Huntingdon	430	4	.93%	60	Union	511	3	.59%
3	Armstrong	719	7	.97%	32	Indiana	899	4	.44%	61	Venango	525	7	1.33%
4	Beaver	1,613	7	.43%	33	Jefferson	562	3	.53%	62	Warren	423	9	2.13%
5	Bedford	469	5	1.07%	34	Juniata	270	3	1.11%	63	Washington	1,505	18	1.20%
6	Berks	5,427	169	3.11%	35	Lackawanna	2,459	42	1.71%	64	Wayne	456	2	.44%
7	Blair	1,388	23	1.66%	36	Lancaster	3,785	84	2.22%	65	Westmoreland	2,653	22	.83%
8	Bradford	524	2	.38%	37	Lawrence	678	2	.29%	66	Wyoming	186	2	1.08%
9	Bucks	3,888	9	.23%	38	Lebanon	1,262	21	1.66%	67	York	4,289	78	1.82%
10	Butler	1,273	9	.71%	39	Lehigh	3,708	33	.89%		All 67 Counties	150,979	1,950	1.29%
11	Cambria	1,396	19	1.36%	40	Luzerne	3,433	45	1.31%					
12	Cameron	62	1	1.61%	41	Lycoming	1,116	12	1.08%					
13	Carbon	679	4	.59%	42	McKean	701	8	1.14%					
14	Centre	949	3	.32%	43	Mercer	899	17	1.89%					
15	Chester	3,119	20	.64%	44	Mifflin	534	3	.56%					
16	Clarion	424	0	0%	45	Monroe	1,464	4	.27%					
17	Clearfield	978	3	.31%	46	Montgomery	7,787	80	1.03%					
18	Clinton	422	2	.47%	47	Montour	180	1	.56%					
19	Columbia	483	3	.62%	48	Northampton	2,470	15	.61%					
20	Crawford	786	12	1.53%	49	Northumberland	1,037	15	1.45%					
21	Cumberland	1,318	5	.38%	50	Perry	433	3	.69%					
22	Dauphin	3,941	66	1.67%	51	Philadelphia	40,990	700	1.71%					
23	Delaware	7,389	61	.83%	52	Pike	600	0	0%					
24	Elk	285	0	0%	53	Potter	269	1	.37%					
25	Erie	5,201	83	1.60%	54	Schuylkill	1,778	28	1.57%					
26	Fayette	1,675	8	.48%	55	Snyder	299	4	1.34%					
27	Forest	39	0	0%	56	Somerset	645	5	.78%					
28	Franklin	1,684	7	.42%	57	Sullivan	33	0	0%					
29	Fulton	193	1	.52%	58	Susquehanna	304	2	.66%					

Note: Percentages based on low numbers of children confirmed elevated have the potential for a high standard of error (SE) and are less reliable in representing the general population.

COUNTY LEVEL

U.S. Census Bureau, 2010 Census Population by County:

i) **Pennsylvania County**
ii) **Age [Total Population and Children Less Than 7 Years]**

COUNTY LEVEL: Population

	Pennsylvania County	2010 Census Total Population	Statewide Ranking Based on Highest Total Population	2010 Census Population Children < 7	Statewide Ranking Based on Highest Population < 7	Children < 7 as a Percentage of Total Population:	Statewide Ranking Based on Highest Percentage < 7
1	**Adams**	101,407	31	8,001	31	7.89%	24-tie
2	**Allegheny**	1,223,348	2	89,121	2	7.29%	47-tie
3	**Armstrong**	68,941	38	5,038	39	7.31%	45
4	**Beaver**	170,539	20	12,625	22	7.40%	41-tie
5	**Bedford**	49,762	45	3,721	46	7.48%	38
6	**Berks**	411,442	9	36,035	9	8.76%	7
7	**Blair**	127,089	28	10,244	26	8.06%	20
8	**Bradford**	62,622	41	5,258	38	8.40%	17
9	**Bucks**	625,249	4	49,300	5	7.88%	26
10	**Butler**	183,862	19	14,395	19	7.83%	28
11	**Cambria**	143,679	25	10,308	25	7.17%	51-tie
12	**Cameron**	5,085	67	305	66	6.00%	64
13	**Carbon**	65,249	40	4,905	40	7.52%	37
14	**Centre**	153,990	22	9,435	28	6.13%	63
15	**Chester**	498,886	7	44,938	7	9.01%	4
16	**Clarion**	39,988	55	2,852	57	7.13%	54
17	**Clearfield**	81,642	36	5,772	36	7.07%	56
18	**Clinton**	39,238	57	3,100	53	7.90%	23
19	**Columbia**	67,295	39	4,545	41	6.75%	62
20	**Crawford**	88,765	35	7,108	33	8.01%	22
21	**Cumberland**	235,406	16	18,099	16	7.69%	32
22	**Dauphin**	268,100	15	23,315	14	8.70%	9
23	**Delaware**	558,979	5	47,874	6	8.56%	13
24	**Elk**	31,946	59	2,196	60	6.87%	59
25	**Erie**	280,566	14	23,447	12	8.36%	18
26	**Fayette**	136,606	26	9,715	27	7.11%	55
27	**Forest**	7,716	65	255	67	3.30%	67
28	**Franklin**	149,618	23	13,820	20	9.24%	2
29	**Fulton**	14,845	64	1,253	64	8.44%	14-tie
30	**Greene**	38,686	58	2,794	58	7.22%	50

COUNTY LEVEL: Population

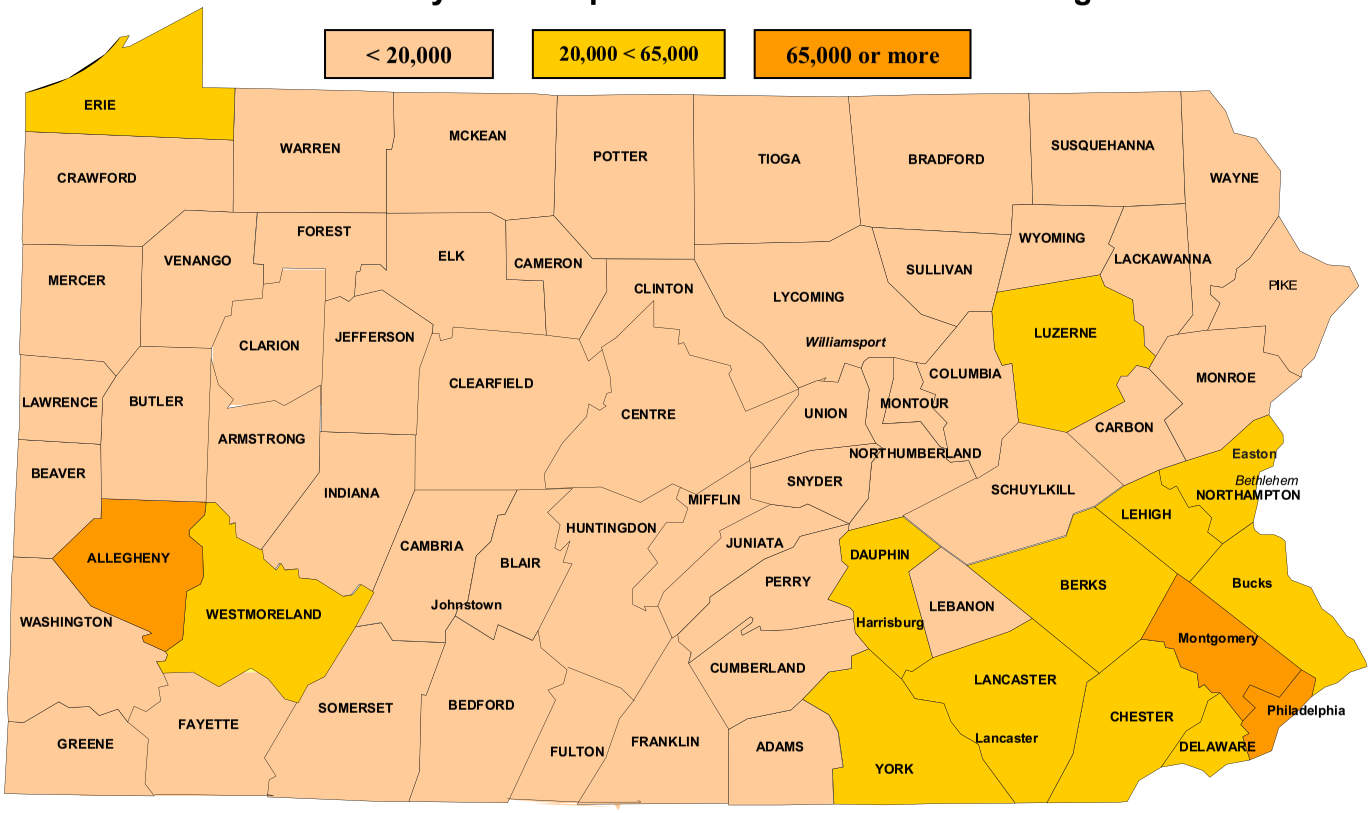
	Pennsylvania County	2010 Census Total Population	Statewide Ranking Based on Highest Total Population	2010 Census Population Children < 7	Statewide Ranking Based on Highest Population < 7	Children < 7 as a Percentage of Total Population:	Statewide Ranking Based on Highest Percentage < 7
31	Huntingdon	45,913	48	3,403	49	7.41%	40
32	Indiana	88,880	34	6,354	35	7.15%	53
33	Jefferson	45,200	49	3,626	47	8.02%	21
34	Juniata	24,636	61	2,213	59	8.98%	5
35	Lackawanna	214,437	17	16,230	17	7.57%	35
36	Lancaster	519,445	6	49,568	4	9.54%	1
37	Lawrence	91,108	33	6,878	34	7.55%	36
38	Lebanon	133,568	27	11,782	23	8.82%	6
39	Lehigh	349,497	11	30,329	10	8.68%	11
40	Luzerne	320,918	12	23,386	13	7.29%	47-tie
41	Lycoming	116,111	30	9,165	29	7.89%	24-tie
42	McKean	43,450	51	3,318	50	7.64%	33
43	Mercer	116,638	29	8,632	30	7.40%	41-tie
44	Mifflin	46,682	46	4,084	44	8.75%	8
45	Monroe	169,842	21	12,675	21	7.46%	39
46	Montgomery	799,874	3	67,338	3	8.42%	16
47	Montour	18,267	62	1,491	62	8.16%	19
48	Northampton	297,735	13	23,225	15	7.80%	29-tie
49	Northumberland	94,528	32	7,370	32	7.80%	29-tie
50	Perry	45,969	47	3,880	45	8.44%	14-tie
51	Philadelphia	1,526,006	1	138,163	1	9.05%	3
52	Pike	57,369	42	4,113	43	7.17%	51-tie
53	Potter	17,457	63	1,369	63	7.84%	27
54	Schuylkill	148,289	24	10,924	24	7.37%	44
55	Snyder	39,702	56	3,413	48	8.60%	12
56	Somerset	77,742	37	5,282	37	6.79%	61
57	Sullivan	6,428	66	342	65	5.32%	66
58	Susquehanna	43,356	52	3,144	51	7.25%	49
59	Tioga	41,981	53	3,100	53	7.38%	43
60	Union	44,947	50	3,058	55	6.80%	60
61	Venango	54,984	43	4,265	42	7.76%	31

COUNTY LEVEL: Population

Pennsylvania County	2010 Census Total Population	Statewide Ranking Based on Highest Total Population	2010 Census Population Children < 7	Statewide Ranking Based on Highest Population < 7	Children < 7 as a Percentage of Total Population:	Statewide Ranking Based on Highest Percentage < 7
62 Warren	41,815	54	2,942	56	7.04%	57
63 Washington	207,820	18	15,174	18	7.30%	46
64 Wayne	52,822	44	3,139	52	5.94%	65
65 Westmoreland	365,169	10	25,172	11	6.89%	58
66 Wyoming	28,276	60	2,145	61	7.59%	34
67 York	434,972	8	37,816	8	8.69%	10
All 67 Counties	12,702,379		1,028,282		8.10%	

Pennsylvania Population Children < 7 Years of Age

< 20,000 | 20,000 < 65,000 | 65,000 or more



Note: Ten of Pennsylvania's sixty-seven counties account for more than half (57.42 percent) of the state's total population of children under 7 years of age. Nine of those counties (Berks, Bucks, Chester, Delaware, Lancaster, Lehigh, Montgomery, Philadelphia and York) are clustered in the southeastern part of the state and represent almost 49 percent of the state's children under 7. The other one (Allegheny) is located in the southwest.

Note 2: There are fifteen counties with more than 20,000 children under 7. These fifteen counties (all highlighted on the map at left) represent nearly 69 percent of the state's total population of children under 7.

CITY LEVEL

Children tested for lead in 2011 by:

i) **Age**
ii) **Maximum blood lead level**
iii) **City of residence – 20 selected cities**

CITY LEVEL: Children reported to have been tested for lead in 2011 by age, maximum blood lead level and city of residence

Selected Cities	The number of Pennsylvania children tested for lead in 2011 by age, maximum blood lead level and city of residence:																			
	1 and 2 Years (12-35 months)				< 3 Years (0-35 months)				< 6 Years (0-71 months)				< 7 Years (0-83 months)				< 16 Years (0-191 months)			
	Lows 0-9	Highs ≥ 10	Nulls	Total Children	Lows 0-9	Highs ≥ 10	Nulls	Total Children	Lows 0-9	Highs ≥ 10	Nulls	Total Children	Lows 0-9	Highs ≥ 10	Nulls	Total Children	Lows 0-9	Highs ≥ 10	Nulls	Total Children
Allentown	1,462	33	1	**1,496**	2,058	37	1	**2,096**	2,664	53	2	**2,719**	2,712	53	2	**2,767**	2,877	53	2	**2,932**
Altoona	347	28	1	**376**	647	36	3	**686**	724	41	3	**768**	729	42	3	**774**	739	43	4	**786**
Bethlehem	743	9	0	**752**	870	9	2	**881**	1,096	10	8	**1,114**	1,112	10	9	**1,131**	1,156	10	9	**1,175**
Chester	593	27	6	**626**	732	29	12	**773**	1,456	47	22	**1,525**	1,574	52	25	**1,651**	1,697	53	25	**1,775**
Easton	638	14	2	**654**	739	16	2	**757**	902	24	2	**928**	914	24	3	**941**	956	24	3	**983**
Erie	1,775	71	0	**1,846**	2,637	82	0	**2,719**	3,746	146	0	**3,892**	3,848	150	0	**3,998**	4,094	154	0	**4,248**
Harrisburg	1,084	51	8	**1,143**	1,649	61	13	**1,723**	2,675	116	21	**2,812**	2,782	122	21	**2,925**	2,867	123	21	**3,011**
Johnstown	316	11	0	**327**	583	12	0	**595**	773	20	0	**793**	781	22	0	**803**	791	22	0	**813**
Lancaster	945	32	1	**978**	1,311	34	1	**1,346**	1,892	59	3	**1,954**	1,940	63	3	**2,006**	2,093	67	3	**2,163**
Lebanon	410	14	0	**424**	556	16	0	**572**	815	24	1	**840**	824	24	1	**849**	851	25	1	**877**
Levittown	234	0	0	**234**	404	0	0	**404**	515	3	0	**518**	530	3	0	**533**	543	3	0	**546**
Norristown	846	38	0	**884**	1,104	44	0	**1,148**	1,652	62	0	**1,714**	1,735	64	0	**1,799**	1,808	64	0	**1,872**
Philadelphia	18,806	570	0	**19,376**	26,289	619	0	**26,908**	36,284	910	1	**37,195**	37,643	936	1	**38,580**	39,995	979	1	**40,975**
Pittsburgh	3,690	101	35	**3,826**	4,955	117	53	**5,125**	6,861	168	70	**7,099**	6,929	170	70	**7,169**	7,059	176	72	**7,307**
Reading	1,985	122	4	**2,111**	2,384	126	6	**2,516**	3,581	178	7	**3,766**	3,812	189	7	**4,008**	4,572	198	8	**4,778**
Scranton	501	36	1	**538**	771	47	1	**819**	1,250	64	2	**1,316**	1,281	64	2	**1,347**	1,333	65	2	**1,400**
State Coll.	96	0	3	**99**	277	0	5	**282**	290	0	6	**296**	291	0	6	**297**	301	0	6	**307**
Wilkes-Barre	207	8	0	**215**	419	12	0	**431**	765	16	0	**781**	777	16	0	**793**	803	16	0	**819**
Williamsport	233	8	0	**241**	407	8	0	**415**	539	15	0	**554**	549	15	0	**564**	566	15	0	**581**
York	1,048	63	1	**1,112**	1,577	76	9	**1,662**	2,324	121	13	**2,458**	2,436	126	16	**2,578**	2,511	137	17	**2,665**
Total All 20 Cities	**35,959**	**1,236**	**63**	**37,258**	**50,369**	**1,381**	**108**	**51,858**	**70,804**	**2,077**	**161**	**73,042**	**73,199**	**2,145**	**169**	**75,513**	**77,612**	**2,227**	**174**	**80,013**

CITY LEVEL

Children tested for lead in 2011 by:

i) **Age**
ii) **Race and**
iii) **City of residence - 20 selected cities**

CITY LEVEL: Children reported to have been tested for lead in 2011 by age, race and city of residence

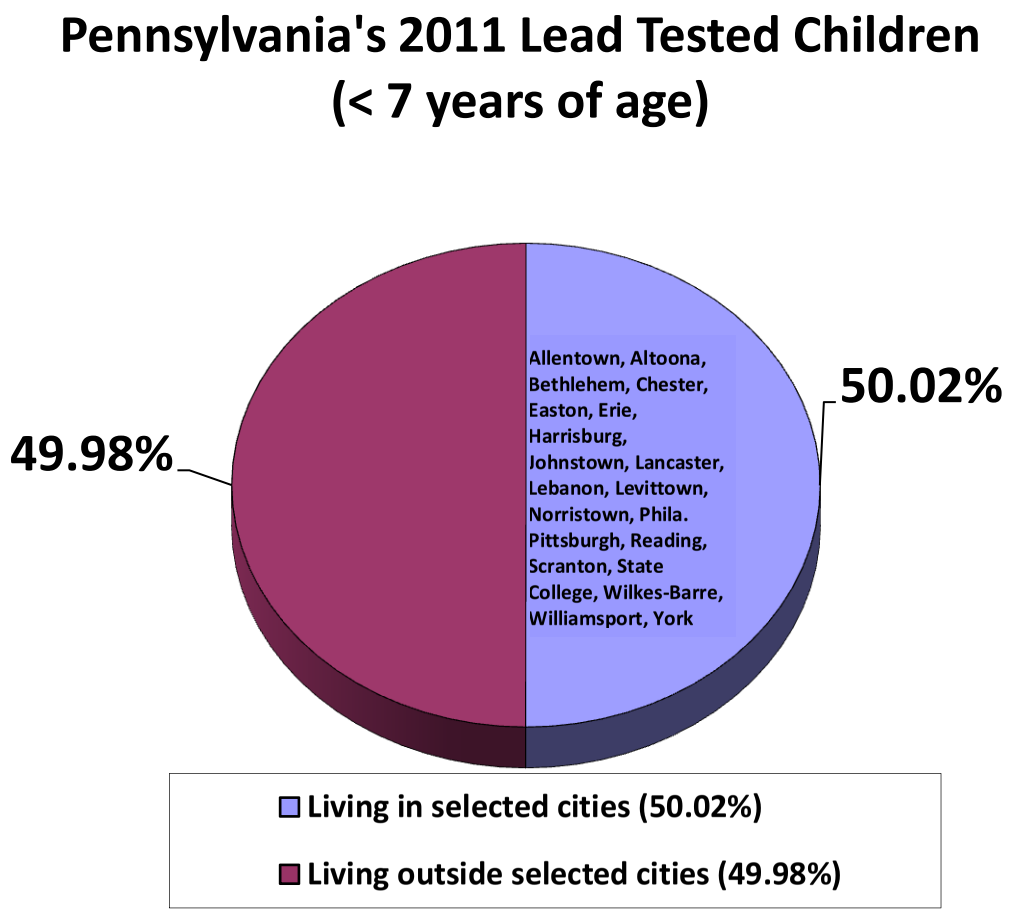
Selected Cities	The number of Pennsylvania children tested for lead in 2011 by age, race and city of residence:																													
	1 and 2 Years (12-35 months)						< 3 Years (0-35 months)						< 6 Years (0-71 months)						< 7 Years (0-83 months)						< 16 Years (0-191 months)					
	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot
Allentown	2	59	206	5	1,224	1,496	2	67	233	5	1,789	2,096	8	160	622	16	1,913	2,719	9	163	636	17	1,942	2,767	9	175	695	18	2,035	2,932
Altoona	0	5	94	4	273	376	0	11	145	4	526	686	0	16	191	4	557	768	0	17	196	4	557	774	0	18	205	4	559	786
Bethlehem	2	24	120	42	564	752	2	26	133	45	675	881	4	50	234	92	734	1,114	4	51	236	93	747	1,131	4	51	240	93	787	1,175
Chester	0	337	37	33	219	626	0	428	46	46	253	773	1	988	97	103	336	1,525	1	1,086	113	109	342	1,651	1	1,119	117	110	428	1,775
Easton	7	14	51	4	578	654	8	15	62	4	668	757	10	39	100	11	768	928	10	40	102	11	778	941	10	42	105	12	814	983
Erie	18	382	777	2	667	1,846	26	522	1,106	5	1,060	2,719	50	890	1,563	23	1,366	3,892	51	931	1,589	24	1,403	3,998	52	1,008	1,711	24	1,453	4,248
Harrisburg	4	97	94	5	943	1,143	4	119	112	14	1,474	1,723	23	524	350	15	1,900	2,812	28	567	376	15	1,939	2,925	33	586	385	15	1,992	3,011
Johnstown	0	34	59	0	234	327	0	42	96	1	456	595	0	81	188	1	523	793	0	81	193	1	528	803	0	81	202	1	529	813
Lancaster	4	35	142	19	778	978	4	37	161	23	1,121	1,346	15	125	398	32	1,384	1,954	15	128	416	35	1,412	2,006	22	133	428	35	1,545	2,163
Lebanon	2	2	77	5	338	424	2	2	86	5	477	572	6	25	280	10	519	840	6	25	284	10	524	849	6	25	289	10	547	877
Levittown	1	1	27	7	198	234	2	4	53	7	338	404	2	8	62	12	434	518	2	8	62	12	449	533	2	8	63	13	460	546
Norristown	4	36	33	50	761	884	4	41	48	62	993	1,148	7	118	111	161	1,317	1,714	8	126	117	170	1,378	1,799	8	131	121	180	1,432	1,872
Philadelphia	143	1,065	322	846	17,000	19,376	215	1,338	407	1,036	23,912	26,908	435	3,102	610	1,681	31,367	37,195	455	3,442	632	1,753	32,298	38,580	482	3,956	660	1,864	34,013	40,975
Pittsburgh	112	1,288	1,384	35	1,007	3,826	137	1,491	2,019	40	1,438	5,125	209	2,455	2,738	57	1,640	7,099	209	2,490	2,763	57	1,650	7,169	211	2,538	2,832	57	1,669	7,307
Reading	4	121	497	395	1,094	2,111	4	150	595	519	1,248	2,516	7	273	949	727	1,810	3,766	8	290	1,004	761	1,945	4,008	9	338	1,145	916	2,370	4,778
Scranton	0	21	55	26	436	538	0	25	66	31	697	819	8	106	222	158	822	1,316	8	112	225	160	842	1,347	9	113	234	160	884	1,400
State Coll.	4	2	12	1	80	99	7	4	32	1	238	282	8	5	35	1	247	296	8	5	36	1	247	297	9	5	37	1	255	307
Wilkes-Barre	0	26	23	15	151	215	0	28	37	15	351	431	1	121	148	107	404	781	1	124	151	107	410	793	1	126	157	107	428	819
Williamsport	6	23	129	5	78	241	9	33	206	6	161	415	13	67	286	6	182	554	14	69	292	6	183	564	16	69	304	6	186	581
York	6	212	287	8	599	1,112	7	254	350	13	1,038	1,662	9	596	700	28	1,125	2,458	10	637	763	28	1,140	2,578	14	661	787	28	1,175	2,665
Total All 20 Cities	**319**	**3,784**	**4,426**	**1,507**	**27,222**	**37,258**	**433**	**4,637**	**5,993**	**1,882**	**38,913**	**51,858**	**816**	**9,749**	**9,884**	**3,245**	**49,348**	**73,042**	**847**	**10,392**	**10,186**	**3,374**	**50,714**	**75,513**	**898**	**11,183**	**10,717**	**3,654**	**53,561**	**80,013**

CITY LEVEL: Percentages - Children (< 7 Years) Tested for Lead - By city of residence (for 20 selected cities only)

the percentage of Pennsylvania children, less than 7 years of age, tested for lead in 2011 by city of residence (for 20 selected cities)			
Selected Cities	**Total Children Tested**	**2010 Census Population for Children Under 7**	**Percent Tested**
Allentown	2,767	12,747	21.71%
Altoona	774	4,190	18.47%
Bethlehem	1,131	5,757	19.65%
Chester	1,651	3,852	42.86%
Easton	941	2,463	38.21%
Erie	3,998	10,269	38.93%
Harrisburg	2,925	5,829	50.18%
Johnstown	803	1,975	40.66%
Lancaster	2,006	6,356	31.56%
Lebanon	849	2,767	30.68%
Levittown	533	Levittown CDP 4,408	12.09%
Norristown	1,799	Norristown Borough 4,113	43.74%
Philadelphia	38,580	138,163	27.92%
Pittsburgh	7,169	20,390	35.16%
Reading	4,008	11,537	34.74%
Scranton	1,347	6,225	21.64%
State College	297	State College Borough999	29.73%
Wilkes-Barre	793	3,304	24.00%
Williamsport	564	2,676	21.08%
York	2,578	5,460	47.22%
Total All 20 Cities	**75,513**	**253,480**	**29.79%**

CITY LEVEL: Percentage of children tested living in 20 selected cities

	Children Living:			Percentage of total children tested living in 20 selected cities
	in Pennsylvania, but outside 20 selected cities	In 20 selected Pa. cities (Allentown, Altoona, Bethlehem, Chester, Easton, Erie Harrisburg, Johnstown, Lancaster, Lebanon, Levittown, Norristown, Philadelphia, Pittsburgh, Reading, Scranton, State College, Wilkes-Barre, Williamsport, York)	In Pennsylvania statewide	
Number of children under 7 tested for lead in 2011 →	75,466	75,513	150,979	50.02%



CITY LEVEL

Children tested and confirmed elevated in 2011 by:

i) **Age**
ii) **First confirmed elevated blood lead level**
iii) **City of residence – 20 selected cities**

CITY LEVEL: Children Tested and Confirmed Elevated – By age, first confirmed elevated blood lead level and city of residence (for 20 selected cities)

City	The number of Pennsylvania children tested and confirmed elevated in 2011 by age, first confirmed elevated blood lead level and city of residence (20 selected cities)																			
	1 and 2 Years (12-35 months)				< 3 Years (0-35 months)				< 6 Years (0-71 months)				< 7 Years (0-83 months)				< 16 Years (0-191 months)			
	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15	15 < 20 µg/dL	≥ 20 µg/dL	Total	10 < 15 µg/dL	15 < 20 µg/dL	≥ 20 µg/dL	Total
Allentown	13	2	2	**17**	13	2	2	**17**	15	3	8	**26**	15	3	8	**26**	15	3	8	**26**
Altoona	3	5	3	**11**	4	5	3	**12**	5	8	5	**18**	5	8	6	**19**	5	8	7	**20**
Bethlehem	1	0	1	**2**	1	0	1	**2**	1	0	1	**2**	1	0	1	**2**	1	0	1	**2**
Chester	4	2	0	**6**	4	2	0	**6**	5	2	3	**10**	5	2	7	**14**	5	2	8	**15**
Easton	3	1	2	**6**	3	2	2	**7**	5	2	3	**10**	5	2	3	**10**	5	2	3	**10**
Erie	24	4	8	**36**	25	5	8	**38**	45	12	16	**73**	45	12	18	**75**	46	13	20	**79**
Harrisburg	10	7	4	**21**	11	7	6	**24**	19	17	15	**51**	20	18	15	**53**	20	18	15	**53**
Johnstown	5	0	1	**6**	5	0	1	**6**	10	2	1	**13**	10	3	1	**14**	10	3	1	**14**
Lancaster	12	4	11	**27**	13	4	11	**28**	22	9	24	**55**	23	11	26	**60**	24	11	29	**64**
Lebanon	2	3	3	**8**	2	3	3	**8**	5	3	6	**14**	5	3	6	**14**	5	4	6	**15**
Levittown	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
Norristown	15	6	11	**32**	16	6	11	**33**	28	7	15	**50**	30	7	17	**54**	30	7	17	**54**
Philadelphia	224	73	70	**367**	239	76	72	**387**	359	141	148	**648**	376	148	152	**676**	396	153	166	**715**
Pittsburgh	32	8	12	**52**	32	9	12	**53**	43	16	21	**80**	43	17	22	**82**	44	17	25	**86**
Reading	48	19	16	**83**	50	19	16	**85**	76	27	32	**135**	78	28	38	**144**	81	28	46	**155**
Scranton	14	3	0	**17**	17	3	0	**20**	22	7	4	**33**	22	7	4	**33**	22	7	4	**33**
State College	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**	0	0	0	**0**
Wilkes-Barre	2	3	0	**5**	3	4	0	**7**	6	4	0	**10**	6	4	0	**10**	6	4	0	**10**
Williamsport	4	0	0	**4**	4	0	0	**4**	6	3	1	**10**	6	3	1	**10**	6	3	1	**10**
York	13	9	7	**29**	16	9	8	**33**	24	12	16	**52**	24	12	18	**54**	25	12	19	**56**
Total All 20 Cities	**429**	**149**	**151**	**729**	**458**	**156**	**156**	**770**	**696**	**275**	**319**	**1,290**	**719**	**288**	**343**	**1,350**	**746**	**295**	**376**	**1,417**

CITY LEVEL

Children tested and confirmed elevated in 2011 by:

i) **Age**
ii) **Race**
iii) **City of residence – 20 selected cities**

CITY LEVEL: Children Tested and Confirmed Elevated – By age, race and city of residence (for 20 selected cities)

	The number of Pennsylvania children tested and confirmed elevated in 2011 by age, race and city of residence:																													
	1 and 2 Years (12-35 months)						< 3 Years (0-35 months)						< 6 Years (0-71 months)						< 7 Years (0-83 months)						< 16 Years (0-191 months)					
Selected Cities	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot	A	B	W	O	U	Tot
Allentown	0	1	2	0	14	**17**	0	1	2	0	14	**17**	0	3	8	0	15	**26**	0	3	8	0	15	**26**	0	3	8	0	15	**26**
Altoona	0	2	9	0	0	**11**	0	2	10	0	0	**12**	0	3	15	0	0	**18**	0	4	15	0	0	**19**	0	4	16	0	0	**20**
Bethlehem	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**	0	0	2	0	0	**2**
Chester	0	4	0	0	2	**6**	0	4	0	0	2	**6**	0	8	0	0	2	**10**	0	12	0	0	2	**14**	0	12	0	0	3	**15**
Easton	0	0	0	0	6	**6**	0	0	0	0	7	**7**	0	0	0	0	10	**10**	0	0	0	0	10	**10**	0	0	0	0	10	**10**
Erie	0	18	11	0	7	**36**	0	19	11	0	8	**38**	0	41	21	0	11	**73**	0	43	21	0	11	**75**	0	45	23	0	11	**79**
Harrisburg	0	11	7	0	3	**21**	0	12	8	0	4	**24**	0	25	20	0	6	**51**	0	27	20	0	6	**53**	0	27	20	0	6	**53**
Johnstown	0	1	3	0	2	**6**	0	1	3	0	2	**6**	0	4	6	0	3	**13**	0	4	7	0	3	**14**	0	4	7	0	3	**14**
Lancaster	1	4	10	0	12	**27**	1	4	10	0	13	**28**	1	11	25	0	18	**55**	1	11	30	0	18	**60**	1	12	30	0	21	**64**
Lebanon	0	0	5	0	3	**8**	0	0	5	0	3	**8**	0	0	11	0	3	**14**	0	0	11	0	3	**14**	0	0	12	0	3	**15**
Levittown	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**
Norristown	0	4	4	3	21	**32**	0	4	4	3	22	**33**	0	9	4	5	32	**50**	0	10	4	5	35	**54**	0	10	4	5	35	**54**
Philadelphia	4	42	3	29	289	**367**	4	44	4	31	304	**387**	5	121	5	46	471	**648**	5	133	5	47	486	**676**	5	156	5	54	495	**715**
Pittsburgh	1	27	14	0	10	**52**	1	28	14	0	10	**53**	3	47	16	0	14	**80**	3	49	16	0	14	**82**	3	52	17	0	14	**86**
Reading	0	5	43	23	12	**83**	0	5	44	24	12	**85**	0	10	69	36	20	**135**	0	13	71	39	21	**144**	0	16	76	40	23	**155**
Scranton	0	3	4	0	10	**17**	0	3	5	0	12	**20**	1	6	9	0	17	**33**	1	6	9	0	17	**33**	1	6	9	0	17	**33**
State College	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**
Wilkes-Barre	0	0	0	0	5	**5**	0	0	0	0	7	**7**	0	0	0	1	9	**10**	0	0	0	1	9	**10**	0	0	0	1	9	**10**
Williamsport	0	1	3	0	0	**4**	0	1	3	0	0	**4**	0	4	6	0	0	**10**	0	4	6	0	0	**10**	0	4	6	0	0	**10**
York	1	10	13	0	5	**29**	1	11	15	0	6	**33**	1	17	25	0	9	**52**	1	19	25	0	9	**54**	2	20	25	0	9	**56**
Total All 20 Cities	**7**	**133**	**133**	**55**	**401**	**729**	**7**	**139**	**140**	**58**	**426**	**770**	**11**	**309**	**242**	**88**	**640**	**1,290**	**11**	**338**	**250**	**92**	**659**	**1,350**	**12**	**371**	**260**	**100**	**674**	**1,417**

CITY LEVEL

U.S. Census Bureau, 2010 Census Population:

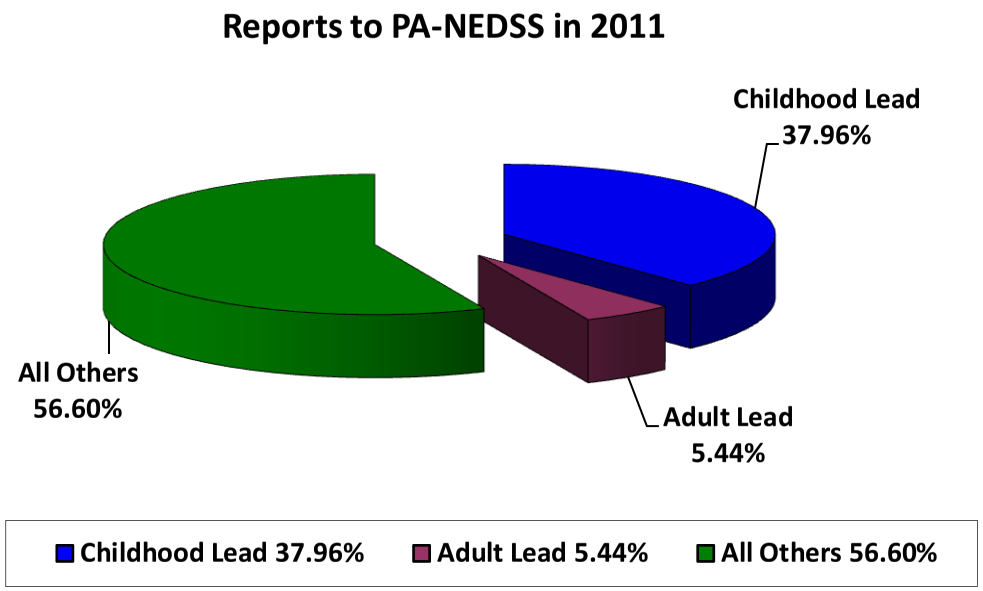
i) **Age -** **total population and children less than 7 years**
ii) **City of residence -** **20 selected cities**

	20 Selected Cities	2010 Census Total Population	20 City Ranking Total Population	2010 Census Population Children Less Than 7 Years	20 City Ranking Children Less Than 7 Years	Children Less Than 7 Years as a Percentage of Total Population	20 City Ranking Percentage of Population Less Than 7 Years
1	Allentown	118,032	3	12,747	3	10.80%	7
2	Altoona	46,320	11	4,190	12	9.05%	Tie - 13
3	Bethlehem	74,982	7	5,757	9	7.68%	18
4	Chester	33,972	16	3,852	14	11.34%	5
5	Easton	26,800	18	2,463	18	9.19%	11
6	Erie	101,786	4	10,269	5	10.09%	9
7	Harrisburg	49,528	10	5,829	8	11.77%	4
8	Johnstown	20,978	20	1,975	19	9.41%	10
9	Lancaster	59,322	8	6,356	6	10.71%	8
10	Lebanon	25,477	19	2,767	16	10.86%	6
11	Levittown (CDP)	52,983	9	4,408	11	8.32%	15
12	Norristown Borough	34,324	15	4,113	13	11.98%	3
13	Philadelphia	1,526,006	1	138,163	1	9.05%	Tie - 13
14	Pittsburgh	305,704	2	20,390	2	6.67%	19
15	Reading	88,082	5	11,537	4	13.10%	1
16	Scranton	76,089	6	6,225	7	8.18%	16
17	State College Borough	42,034	13	999	20	2.38%	20
18	Wilkes-Barre	41,498	14	3,304	15	7.96%	17
19	Williamsport	29,381	17	2,676	17	9.11%	12
20	York	43,718	12	5,460	10	12.49%	2
	Total All 20 Cities	**2,682,419**		242,040		9.02%	

Disease reports to PA-NEDSS in 2011

Disease reports to PA-NEDSS during 2011

Number of reports that came into PA-NEDSS during calendar year 2011	Condition:				Total Reports for 2011
	Childhood Lead	Adult Lead	Total Lead Reports	All Others (89 different initial conditions*)	
(Reported Date = 1/1/2011 through 12/31/2011, inclusive) →	177,769	25,452	203,221	265,018	468,239
Percentage of Total →	37.96%	5.44%	43.40%	56.60%	100%



In 2011, lead reports comprised more than two-fifths (43.40 percent) of all reports in PA-NEDSS. The vast majority of lead reports (more than 87 percent) were childhood lead reports.

*All Others (89 different initial conditions) – Examples:
Hepatitis C;
Chlamydia Trachomatis Infection;
Lyme Disease;
Hepatitis B;
Influenza A;
Low CD4 Count (<200 or <14%);
Syphilis;
Gonorrhea; etc.

NOTE: For confidentiality reasons, this figure excludes HIV/AIDS reports.

Childhood Lead Poisoning Prevention Program (CLPPP) Sub-grantees

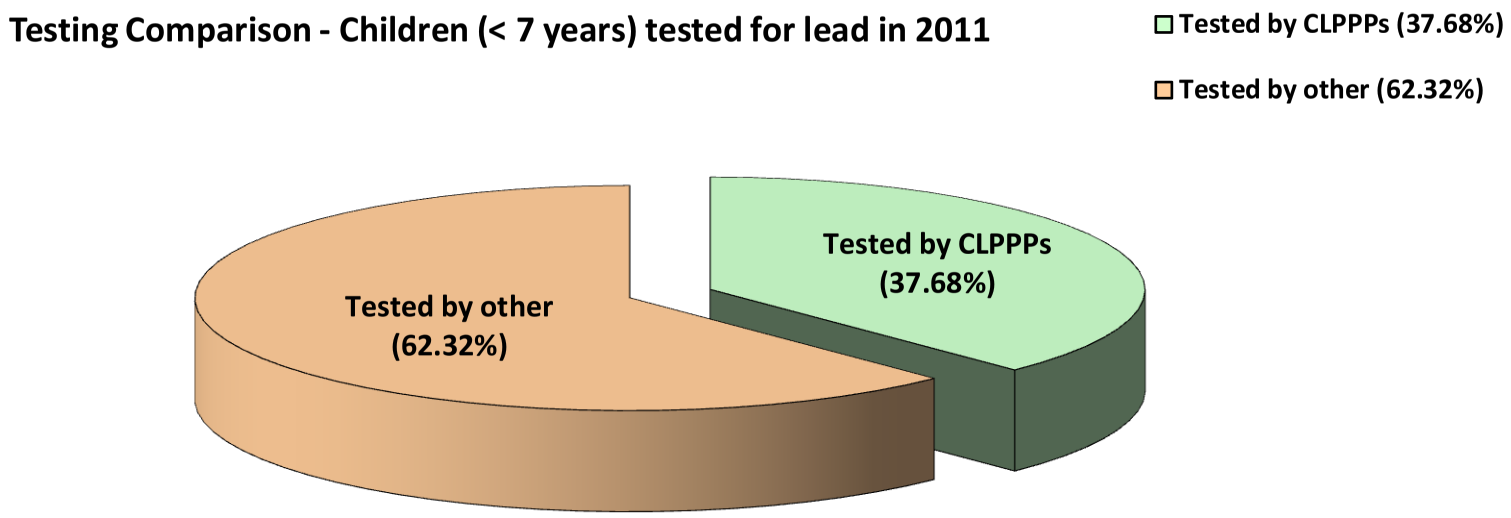
Testing Activity in 2011

The Number of Children Reported to Have Been Tested by Each CLPPP in 2011 by Age[29]																
		Fiscal Qtr 3 2010/2011 Jan 1 – Mar 31, 2011			Fiscal Qtr 4 2010/2011 Apr 1 – Jun 30, 2011			Fiscal Qtr 1 2011/2012 Jul 1 –Sep 30, 2011			Fiscal Qtr 2 2011/2012 Oct 1 – Dec 31, 2011			Calendar Year 2011 Jan 1 – Dec 31, 2011 TOTAL		
	CLPPP	Children < 7	Children 7-15	**Children <16**	Children < 7	Children 7-15	**Children <16**	Children < 7	Children 7-15	**Children <16**	Children < 7	Children 7-15	**Children <16**	Children < 7	Children 7-15	**Children <16**
1	**Allegheny County**	697	0	**697**	553	2	**555**	418	1	**419**	957	0	**957**	**2,625**	**3**	**2,628**
2	**Allentown**	98	14	**112**	171	39	**210**	340	30	**370**	177	0	**177**	**786**	**83**	**869**
3	**Bethlehem**	99	0	**99**	88	0	**88**	53	0	**53**	131	0	**131**	**371**	**0**	**371**
4	**Chester City**	372	0	**372**	268	0	**268**	399	0	**399**	408	0	**408**	**1,447**	**0**	**1,447**
5	**Chester County**	49	0	**49**	31	0	**31**	18	0	**18**	444	3	**447**	**542**	**3**	**545**
6	**Erie County**	62	0	**62**	65	1	**66**	6	0	**6**	49	0	**49**	**182**	**1**	**183**
7	**Montgomery County**	104	0	**104**	171	0	**171**	166	0	**166**	137	0	**137**	**578**	**0**	**578**
8	**Philadelphia**	11,099	664	**11,763**	10,661	653	**11,314**	11,111	749	**11,860**	9,186	495	**9,681**	**42,057**	**2,561**	**44,618**
9	**Pinnacle**	1,274	9	**1,283**	1,344	11	**1,355**	1,023	19	**1,042**	2,968	5	**2,973**	**6,609**	**44**	**6,653**
10	**York City**	342	14	**356**	330	10	**340**	291	15	**306**	735	8	**743**	**1,698**	**47**	**1,745**
	TOTAL	**14,196**	**701**	**14,897**	**13,682**	**716**	**14,398**	**13,825**	**814**	**14,639**	**15,192**	**511**	**15,703**	**56,895**	**2,742**	**59,637**

TESTING COMPARISON – CLPPPs and Other Entities

Children Tested for Lead in 2011											
Total children reported to have been tested for lead in 2011 (to PA-NEDSS)			Total children reported to have been tested by CLPPPs in 2011*			Total children reported to have been tested by entities other than CLPPPs in 2011			Percent of total tested children tested by CLPPPs in 2011		
Children < 7 yrs	Children 7-15 yrs	Children < 16 yrs	Children < 7 yrs	Children 7-15 yrs	Children < 16 yrs	Children < 7 yrs	Children 7-15 yrs	Children < 16 yrs	Children < 7 yrs	Children 7-15 yrs	Children < 16 yrs
150,979	7,617	158,596	56,895	2,742	59,637	94,084	4,875	98,959	37.68%	36.00%	37.60%

* As reported by the CLPPPs (self-reporting)



Endnotes

[1] **The Pennsylvania National Electronic Disease Surveillance System (PA-NEDSS)** – The Pennsylvania Department of Health's on-line disease surveillance system. It serves as the Department's reporting and case management system for all reportable conditions. It has been utilized by the Childhood Lead Poisoning Prevention Program since the Spring of 2003.

[2] **Children less than 7 years of age (< 7 years**) – Children between 0 and 83 months of age at time of specimen collection.

[3] **Confirmed Elevated Blood Lead Levels** - Those children identified to be confirmed elevated as defined by the Council for State and Territorial Epidemiologists (CSTE). CSTE defines Confirmed Elevated as follows: *A child with one venous blood specimen ≥ 10 µg/dL, or any combination of two capillary and/or unknown blood specimens ≥ 10 µg/dL drawn within 12 weeks of each other.*

[4] **Children less than three (3) years of age (< 3 years)** – Children between 0 and 35 months of age, inclusive, at time of specimen collection.

[5] **Geometric Mean** - The geometric mean, in mathematics, is a type of mean or average which indicates the central tendency or typical value of a set of numbers. It is similar to the arithmetic mean (which most think of as "the average"), except that, instead of adding the set of numbers and then dividing the sum by the count of numbers in the set (n), the numbers are multiplied and then the nth root of the resulting product is taken. This measure is preferred when identifying a representative value for blood lead levels. The childhood lead datasets do contain outlying results that would skew the arithmetic mean or "average" and, possibly, lead to inaccurate conclusions. The geometric mean, therefore, serves as a better representative value of the dataset. For example, assume you have a dataset with two values in it, 2 and 8. The "average" (arithmetic mean) of those would be (2+8)/2 = 5. The geometric mean, however, is the square root of [(2)X(8)], which is 4. As you see, the "average" is 5, but the geometric mean is 4. Both are a type of "mean." Both are a measure of central tendency. Calculating and utilizing the geometric mean is typically how blood lead levels are handled. Most articles indicating that childhood blood lead levels have dropped over time are referencing the geometric mean of those blood lead levels. And, as is typically done, we provided the geometric mean of maximum blood lead levels (highest values) within this report.

[6] **CDC Changes from a Level of Concern of 10 µg/dL to a Reference Value of 5 µg/dL -** From the *CDC response to the Advisory Committee on Lead Poisoning Prevention,* 5/16/12. For more information on the change and the recommendations and responses, please visit the CDC website at: http://www.cdc.gov/nceh/lead/ACCLPP/CDC_Response_Lead_Exposure_Recs.pdf

[7] **Pennsylvania Children Tested for Lead in 2011 by Age and Maximum Blood Lead Level** – Those children reported to be residing in Pennsylvania and having had a lead test done with a specimen collection date between 01/01/2011 and 12/31/2011, inclusive, by age and maximum blood lead level (bll). As children are often tested more than once during a given time period, this table reflects those children tested by their single maximum (highest) blood lead level result during the calendar year. Source: The Pennsylvania National Electronic Disease Surveillance System (PA-NEDSS), as of May 7, 2012.

[8] **Percentage of Pennsylvania's 2000 Census Population Tested for Lead in 2011, by Age Cohort =** [(Total Children Tested for Lead) ÷ (Total 2010 Census Age Cohort Population) x 100], rounded two decimal places.

[9] **Pennsylvania Children Tested in 2011 by Age and Race** – Those children reported to be residing in Pennsylvania and having been tested and confirmed elevated during 2011, by age and race. Source: The Pennsylvania National Electronic Disease Surveillance System (PA-NEDSS), as of May 7, 2012.

[10] **Pennsylvania Children Tested and Confirmed Elevated in 2011 by Age and Categorized by First Confirmed Elevated Blood Lead Level** – Those children reported to be residing in Pennsylvania and having been tested and confirmed elevated during 2011, by age and first reported confirmed blood lead level. Here, Confirmed Elevated reflects those children identified to have a reported confirmed elevated blood lead level during 2011. The Council for State and Territorial Epidemiologists (CSTE) defines Confirmed Elevated as follows: *A child with one venous blood specimen ≥ 10 µg/dL, or any combination of two capillary and/or unknown blood specimens ≥ 10 µg/dL drawn within 12 weeks of each other.* Source: The Pennsylvania National Electronic Disease Surveillance System (PA-NEDSS), as of May 7, 2012.

[11] **Percentage of Pennsylvania's 2011 Tested Children Confirmed Elevated, by Age Cohort** = [(Total children confirmed elevated in 2011) ÷ (Total children tested in 2011) X 100], rounded two decimal places.

[12] **Pennsylvania Children Tested and Confirmed Elevated in 2011 by Age and Race** – Those children reported to be residing in Pennsylvania and having been tested and confirmed elevated during 2011, by age and race. Here, Confirmed Elevated reflects those children identified to have a reported confirmed elevated blood lead level during 2011. The Council for State and Territorial

Epidemiologists (CSTE) defines Confirmed Elevated as follows: *A child with one venous blood specimen ≥ 10 µg/dL, or any combination of two capillary and/or unknown blood specimens ≥ 10 µg/dL drawn within 12 weeks of each other.* Source: The Pennsylvania National Electronic Disease Surveillance System (PA-NEDSS), as of May 7, 2012.

[13] **Population** – Numbers based on 2010 Census, Summary File 1, Table QT-P2, U.S. Census Bureau.

[14] **Home Ownership and Occupancy** – Numbers based on 2010 American Community Survey, Tables B25002 and S2502, U.S. Census Bureau.

[15] **Total Housing Units** = Total Occupied Units + Total Vacant Units.

[16] **Age of Housing** – Numbers based on 2010 ACS Survey, Table B25034, U.S. Census Bureau. The ACS Survey was used because the 2010 Census did not break down housing by Year Structure Built.

[17] **Estimated Total Units Built Before 1978** - The estimated number of housing units built 1970 – 1977 was calculated as follows: (80%) x (Total Housing Units built 1970 through 1979). This number was then added to the number built before 1970 to arrive at the total.

[18] **Estimated Percentage of Total Housing Units Built Pre-1978** = [(Estimated Total Units Built Pre-1978) ÷ (Total Housing Units)] X 100, rounded two decimal places.

[19] **Percentage of Total Housing Units Built Pre-1950** = [(Total Units Built Before 1950) ÷ (Total Housing Units)] X 100, rounded two decimal places.

[20] **Lows** – Those children reported to have been tested for lead during 2011 (specimen collection dates between 01/01/2011 and 12/31/2011, inclusive) with maximum blood lead levels (highest) below 10 micrograms per deciliter of blood.

[21] **Highs** – Those children reported to have been tested for lead during 2011 (specimen collection dates between 01/01/2011 and 12/31/2011, inclusive) with maximum blood lead levels (highest) at or above 10 micrograms per deciliter of blood.

[22] **Nulls** – Those children reported to have been tested for lead during 2011 (specimen collection dates between 01/01/2011 and 12/31/2011, inclusive) with maximum blood lead levels (highest) reported null, or blank. Blank quantitative test results are reported for various reasons. In some situations, the null represents an analyzed blood sample (by the laboratory) that contained a very, very low amount of lead and for which a value, or number, could not be assigned, given the low amount. These get reported with blank quantitative fields and "none detected" in the corresponding qualitative field. In other situations, these nulls represent those children whose blood samples were never analyzed at the laboratory for various reasons. For example, the tube holding the blood sample may have broken before an analysis could be performed. Also, perhaps the quantity of blood within the tube was "insufficient" for analysis. These children do need to be re-tested, since nothing is known about their true blood lead levels.

[23] **Total Children Tested** = (Total Children with Max BLLs that were Low) + (Total Children with Max BLLs that were High) + (Total Children with Max BLLs that were Null).

[24] **Total Children Tested** – Total children tested for lead in 2011 and residing in the reported County (at time of specimen collection).

[25] **Percent Tested** = [(Total Children Tested) ÷ (2010 Census Population)] X 100, rounded to two decimal places.

[26] **Confirmed Elevated** - Those children identified to be confirmed elevated as defined by the Council for State and Territorial Epidemiologists (CSTE). CSTE defines Confirmed Elevated as follows: *A child with one venous blood specimen ≥ 10 µg/dL, or any combination of two capillary and/or unknown blood specimens ≥ 10 µg/dL drawn within 12 weeks of each other.*

[27] **First Confirmed Elevated Blood Lead Level** – Children in this table were categorized by their first reported confirmed elevated blood lead level in 2011.

[28] **Percent Confirmed Elevated** = [(Total Children Confirmed Elevated) ÷ (Total Children Tested)] X 100, rounded two decimal places.

[29] **The Number of Children Reported to Have Been Tested by Each CLPPP in 2011 by Age** – As recorded and reported on the CLPPP quarterly reports (CLPPP self-reporting).