



2012 Childhood Blood Lead Surveillance Data

This data summary is an overview of the 2012 blood lead testing data for New Hampshire residents as reported to the New Hampshire Department of Health and Human Services. The New Hampshire Healthy Homes and Lead Poisoning Prevention Program (NH HHLPPP) maintains an extensive blood lead surveillance system for the purpose of monitoring trends in blood lead levels in adults and children in New Hampshire. The data is used to help identify populations at risk for elevated blood lead levels (BLLs), to determine whether screening guidelines are being followed in high-risk populations, and to ensure that appropriate environmental and medical follow-up are provided to children with elevated BLLs. An estimated 50 licensed laboratories that serve approximately 1,500 medical clinics, hospitals, and employer groups report to the NH HHLPPP. The work described here was partially funded by a cooperative agreement with the U.S. Centers for Disease Control and Prevention (CDC).

A confirmed venous BLL that meets or exceeds 10 micrograms per deciliter of blood (mcg/dL) for children six years of age or younger is defined as an elevated BLL. In 2012, 74 New Hampshire children six years of age or younger were newly identified with elevated BLLs, or 0.5% of the 13,472 children screened in the State. Appendix A illustrates the number of statewide newly confirmed elevated BLLs over the past several years.

Several factors influence the rate of lead poisoning in a community. Cities and towns with 27% or more pre-1950 housing stock are considered high risk. All one- and two-year-old children in these communities should be tested for lead. Some communities are determined to be at even higher risk for lead poisoning due to additional factors, such as the fraction of the population that is under the age of six; the fraction under the age of six living in poverty; the percentage of children under the age of six enrolled in Medicaid or other federal assistance programs; and special populations living in the communities. The communities of Berlin, Claremont, Newport, Franklin, Laconia, Manchester, Nashua and Rochester continue to be classified as the State's "higher risk" communities. In order to reach the goal of elimination of childhood lead poisoning, New Hampshire focuses on these higher risk areas through community involvement, primary prevention strategies, and screening efforts. Appendix B lists the percentage of children screened, by age and higher risk community, compared with all other towns. Only data for children six years of age or younger are presented.

For more information, please contact Paul Lakevicius, Program Planner III, with the NH HHLPPP at 603-271-3854 or by e-mail at paul.lakevicius@dhhs.state.nh.us.

**Newly Confirmed Elevated Blood
Lead Levels (≥ 10 mcg/dL) by Year, NH**

Year	Age Range (months)	Lead Level (mcg/dL)			Total	Confirmed Elevations/Total Children Screened (%)
		10-14	15-19	20+		
2006	0-11	4	0	1	5	0.2%
	12-23	57	19	22	98	1.2%
	24-35	37	8	11	56	1.7%
	36-71	27	7	8	42	2.6%
	Total	125	34	42	201	1.3%
2007	0-11	7	3	4	14	0.8%
	12-23	51	25	17	93	1.2%
	24-35	28	9	4	41	1.1%
	36-71	13	6	3	22	1.0%
	Total	99	43	28	170	1.1%
2008 [†]	0-11	5	1	1	7	0.4%
	12-23	33	23	5	61	0.8%
	24-35	30	10	6	46	1.2%
	36-71	20	3	3	26	1.1%
	Total	88	37	15	140	0.9%
2009	0-11	3	4	2	9	0.7%
	12-23	44	13	7	64	0.9%
	24-35	23	4	4	31	0.8%
	36-71	12	2	0	14	0.6%
	Total	82	23	13	118	0.8%
2010	0-11	2	3	0	5	0.4%
	12-23	49	7	6	62	0.8%
	24-35	24	9	3	36	0.9%
	36-71	9	5	2	16	0.7%
	Total	84	24	11	119	0.8%
2011*	0-11	5	1	0	6	0.6%
	12-23	30	9	8	47	0.7%
	24-35	15	6	6	27	0.7%
	36-71	9	2	2	13	0.6%
	Total	59	18	16	93	0.7%
2012	0-11	2	1	0	3	0.3%
	12-23	23	11	5	39	0.5%
	24-35	14	3	6	23	0.6%
	36-71	6	3	0	9	0.5%
	Total	45	18	11	74	0.5%

[†]Definition of confirmed elevations changed slightly

*New 2010 U.S. Census Data used for Calculations



New Hampshire
HEALTHY HOMES
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Town	Age Group	# screened	# confirmed elevations	Lead Level			US Census 2010 Pop***	Screening rate	%Elevation s/screens
				10-14	15-19	20+			
Berlin	0-11 mos	7	0	0	0	0	87	8.0%	0.0%
	12-23 mos	99	0	0	0	0	75	132.0%	0.0%
	24-35 mos	59	0	0	0	0	102	57.8%	0.0%
	36-71 mos	35	0	0	0	0	284	12.3%	0.0%
	Total	200	0	0	0	0	548	36.5%	0.0%
Claremont	0-11 mos	1	0	0	0	0	128	0.8%	0.0%
	12-23 mos	60	2	1	1	0	172	34.9%	3.3%
	24-35 mos	49	2	1	0	1	177	27.7%	4.1%
	36-71 mos	33	0	0	0	0	526	6.3%	0.0%
	Total	143	4	2	1	1	1003	14.3%	2.8%
Newport	0-11 mos	6	0	0	0	0	74	8.1%	0.0%
	12-23 mos	52	1	0	1	0	92	56.5%	1.9%
	24-35 mos	30	1	1	0	0	77	39.0%	3.3%
	36-71 mos	14	0	0	0	0	214	6.5%	0.0%
	Total	102	2	1	1	0	457	22.3%	2.0%
Franklin	0-11 mos	9	0	0	0	0	99	9.1%	0.0%
	12-23 mos	54	1	0	1	0	96	56.3%	1.9%
	24-35 mos	19	0	0	0	0	95	20.0%	0.0%
	36-71 mos	19	1	1	0	0	318	6.0%	5.3%
	Total	101	2	1	1	0	608	16.6%	2.0%
Laconia	0-11 mos	7	1	1	0	0	178	3.9%	14.3%
	12-23 mos	95	0	0	0	0	178	53.4%	0.0%
	24-35 mos	54	0	0	0	0	174	31.0%	0.0%
	36-71 mos	29	0	0	0	0	506	5.7%	0.0%
	Total	185	1	1	0	0	1036	17.9%	0.5%
Manchester	0-11 mos	186	1	0	1	0	1525	12.2%	0.5%
	12-23 mos	1137	7	3	1	3	1512	75.2%	0.6%
	24-35 mos	709	12	7	1	4	1498	47.3%	1.7%
	36-71 mos	366	4	2	2	0	4165	8.8%	1.1%
	Total	2398	24	12	5	7	8700	27.6%	1.0%
Nashua	0-11 mos	64	0	0	0	0	1076	5.9%	0.0%
	12-23 mos	651	6	3	2	1	1088	59.8%	0.9%
	24-35 mos	322	0	0	0	0	1078	29.9%	0.0%
	36-71 mos	162	0	0	0	0	3274	4.9%	0.0%
	Total	1199	6	3	2	1	6516	18.4%	0.5%
Rochester	0-11 mos	17	0	0	0	0	333	5.1%	0.0%
	12-23 mos	176	4	3	0	1	384	45.8%	2.3%
	24-35 mos	129	1	1	0	0	380	33.9%	0.8%
	36-71 mos	36	0	0	0	0	1043	3.5%	0.0%
	Total	358	5	4	0	1	2140	16.7%	1.4%
All Other Towns	0-11 mos	682	1	1	0	0	9492	7.2%	0.1%
	12-23 mos	4789	18	13	5	0	9923	48.3%	0.4%
	24-35 mos	2220	7	4	2	1	10378	21.4%	0.3%
	36-71 mos	1095	4	3	1	0	33963	3.2%	0.4%
	Total	8786	30	21	7	1	63756	13.8%	0.3%
NH Total	0-11 mos	979	3	2	1	0	12994	7.5%	0.3%
	12-23 mos	7113	39	23	11	5	13521	52.6%	0.5%
	24-35 mos	3591	23	14	3	6	13959	25.7%	0.6%
	36-71 mos	1789	9	6	3	0	44293	4.0%	0.5%
	Total	13472	74	45	18	11	84767	15.9%	0.5%

**Appendix C:
Statewide Data**



of Newly Confirmed Elevated Blood Lead Levels for Children Age 0 to 71 Months in New Hampshire: 2006-12



Source: NH DHHS, NH Healthy Homes & Lead Poisoning Prevention Program

of Children Age 0 to 71 Months Screened for Lead in New Hampshire: 2006-12



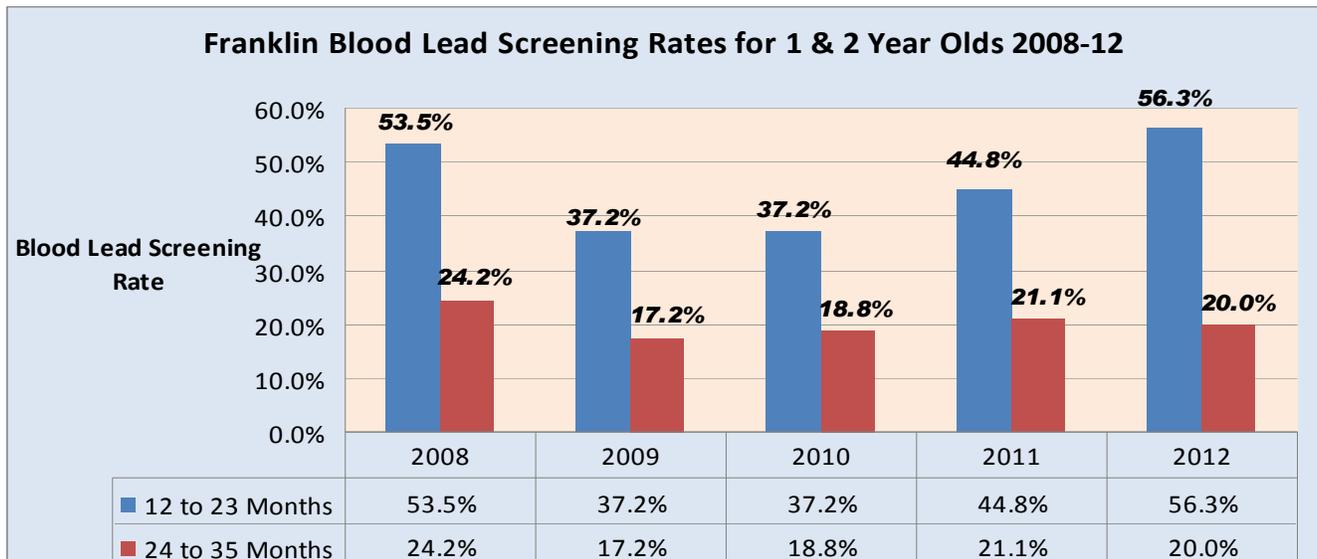
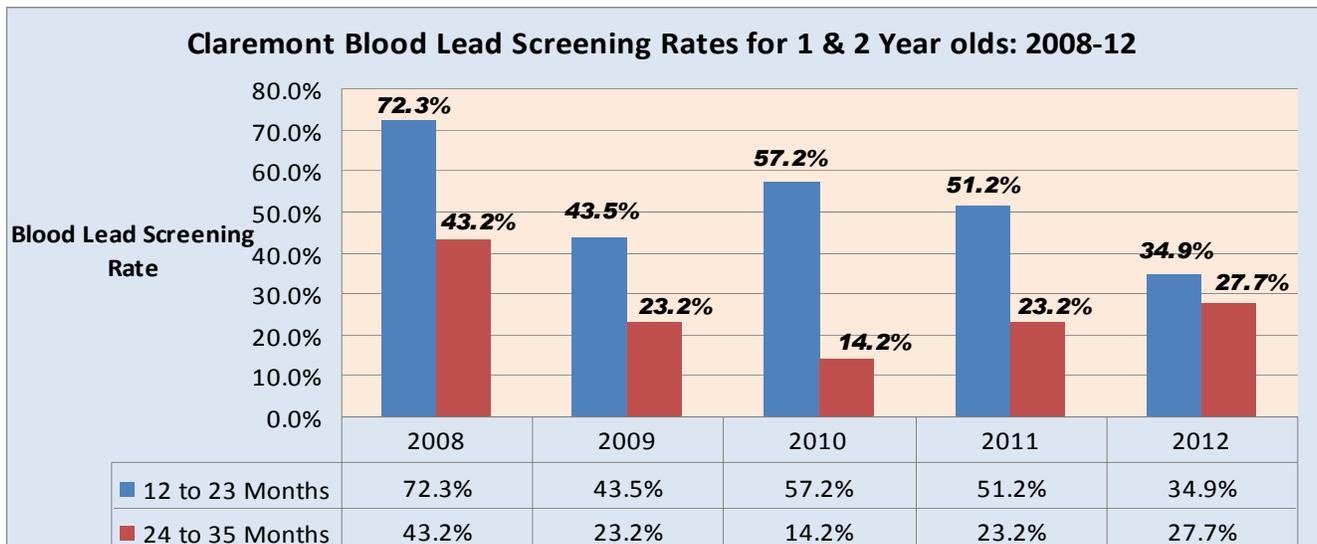
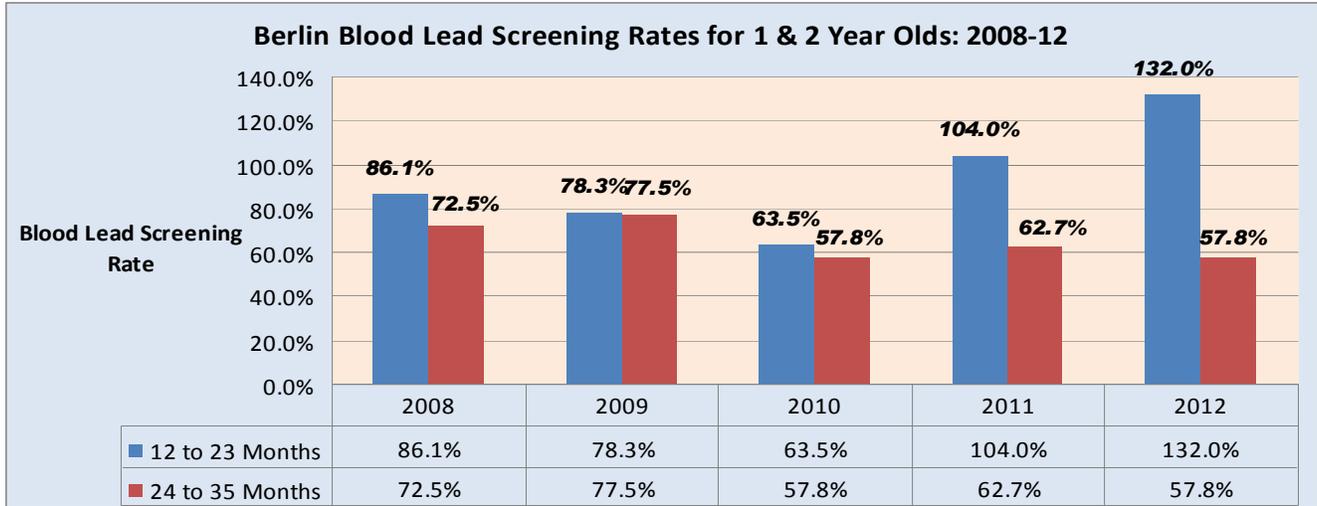
Source: NH DHHS, NH Healthy Homes & Lead Poisoning Prevention Program

% of Confirmed Blood Lead Elevations by Children Age 0 to 71 Months Screened in New Hampshire: 2006-12



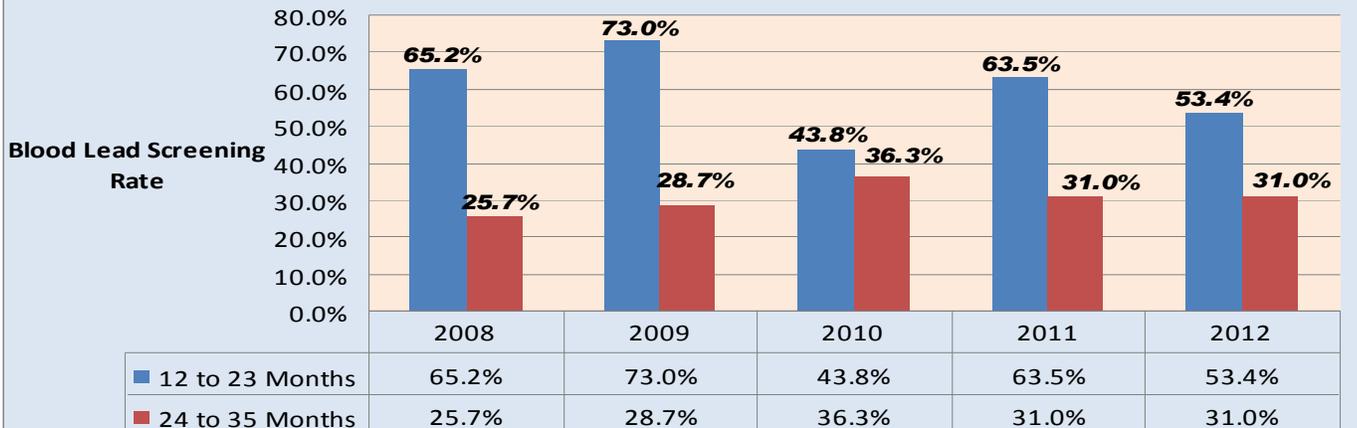
Source: NH DHHS, NH Healthy Homes & Lead Poisoning Prevention Program

Appendix D: Higher Risk
Community Blood Lead Screening
Rates for 1 & 2 Year Olds 2008-12

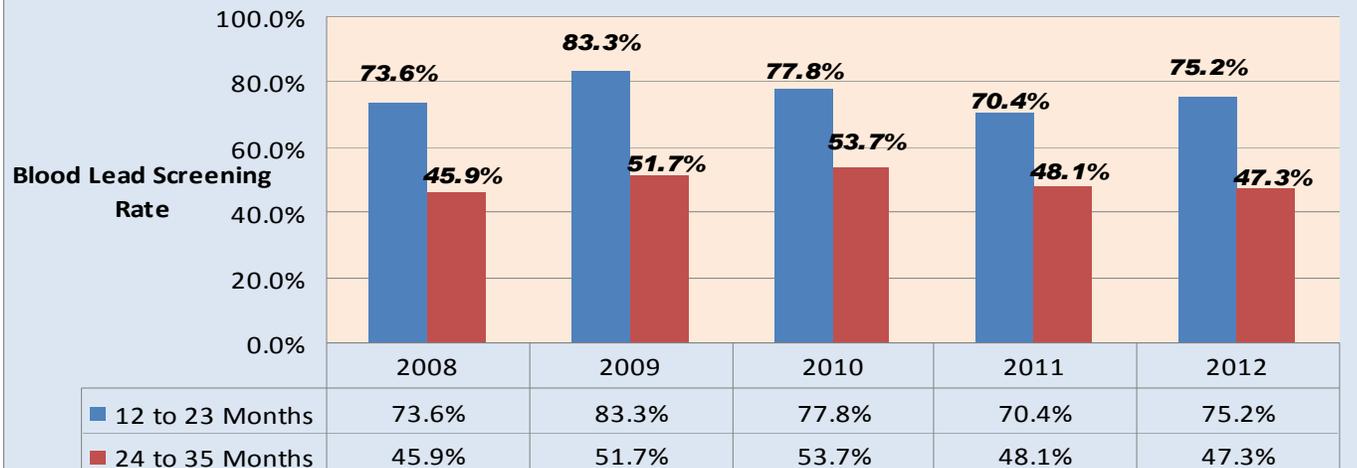




Laconia Blood Lead Screening Rates for 1 & 2 Year Olds: 2008-12



Manchester Blood Lead Screening Rates for 1 & 2 Year Olds: 2008-12



Nashua Blood Lead Screening Rates for 1 & 2 Year Olds: 2008-12

