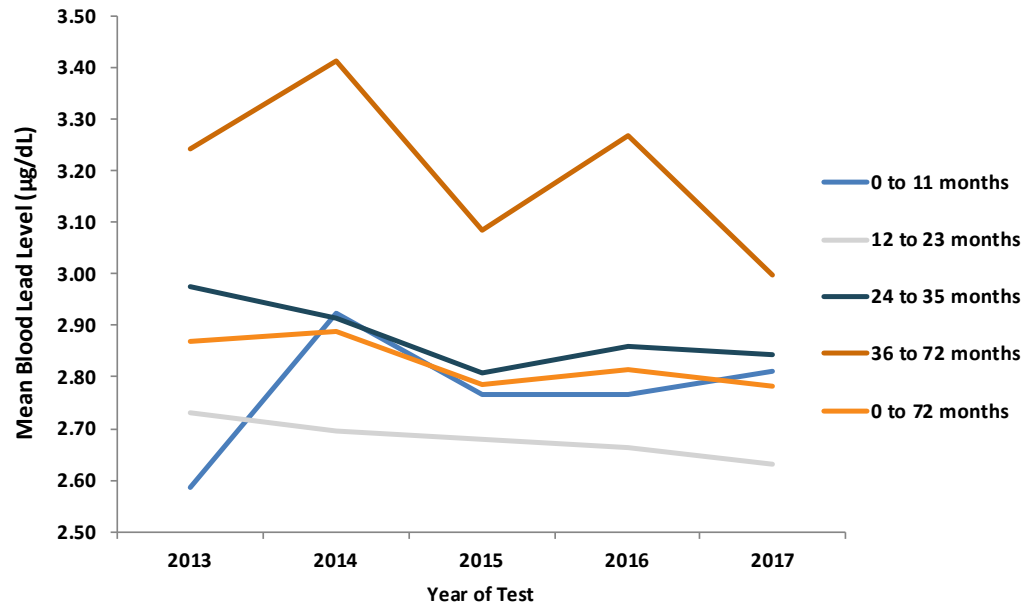


**Figure 8: Mean Blood Lead Level (µg/dL) Trends Among Children Younger than 6 Years Old by Age Group in NH, 2013-2017**



In 2017, the mean blood lead level for children 6 years or younger was 2.78 µg/dL. We observed the lowest mean blood lead levels among children aged 12-23 months, while the highest mean blood lead levels were observed among those aged 36-72 months. The highest confirmed venous blood test of 58 µg/dL was measured on a sample drawn from a female child living in Dover, NH.



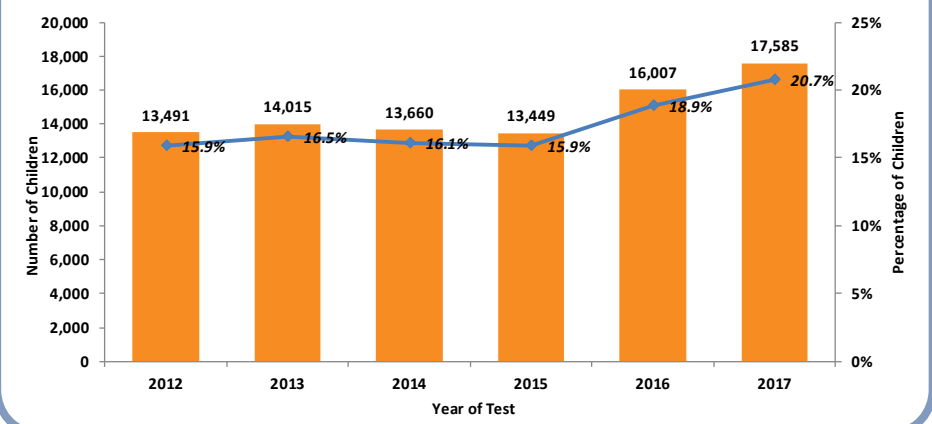
# 2017 LEAD EXPOSURE IN NEW HAMPSHIRE DATA BRIEF

Lead poisoning is entirely preventable. However, nearly 1 million children living in the United States have blood lead levels high enough to impair their ability to think, concentrate, and learn.

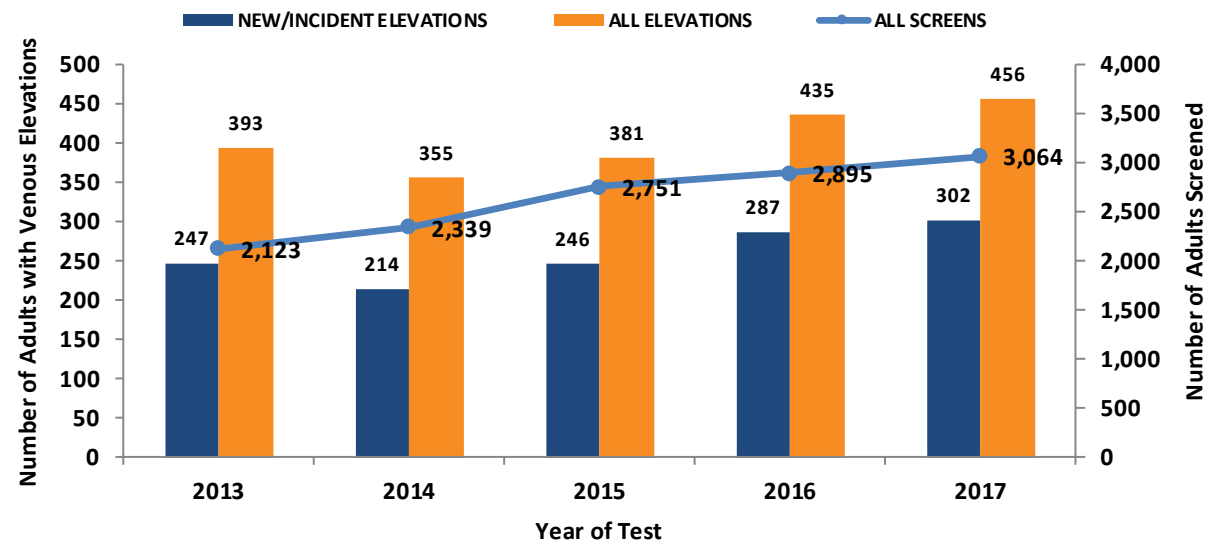


In 2017, 652 NH children under the age of 72 months old were identified with elevated blood lead levels 5µg/dL or higher.

**Figure 1: Annual Number (and Percentage) of Children Tested for Blood Lead Ages 0 - 6 years old in NH, 2012-2017**



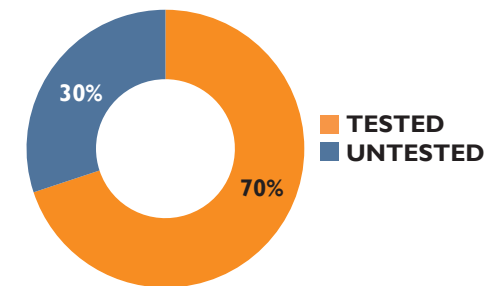
**Figure 9: Trends in Adult Blood Lead Testing and Elevations (≥5 µg/dL) in NH, 2012-2017**



In 2017, a total of 3,064 blood lead test reports were received for adults aged sixteen years or older. Of these reports, 456 were confirmed venous elevations ≥ 5 µg/dL. Annual trends in statewide adult blood lead testing and elevations observed show a slight increase over the last 5 years.

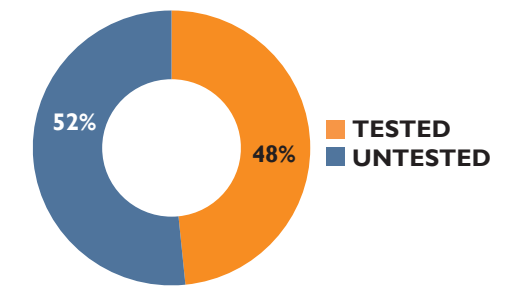
## Percentage of Children Tested per New Hampshire Screening and Management Guidelines

**Figure 2: Percentage of One-Year-Old Children in Universal Communities Tested for Lead**



In 2017, 70% of 1-year-old children residing in NH's Universal Communities were tested for blood lead within their 1st year of birth (5,113 of an estimated 7,313 children). NH's medical and screening guidelines for 2017 recommended that 100% of all 1-year-old children living in these communities should be tested for lead exposure.

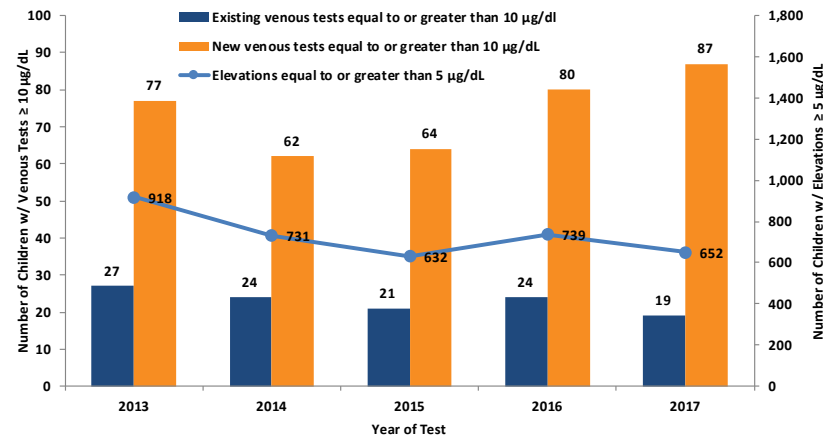
**Figure 3: Percentage of Two-Year-Old Children in Universal Communities Tested for Lead**



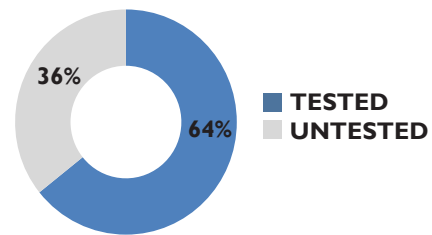
In 2017, 48% of 2-year-old children in Universal Communities were tested for blood lead within their 2nd year of birth (3,592 of an estimated 7,421 children). This is an 8% increase from 2016, when 40% of 2-year-olds in these communities were screened for blood lead. NH's medical and screening guidelines for 2017 recommended that 100% of all 2-year-old children living in these communities should be tested for lead exposure.

# Childhood Lead Exposure

**Figure 4: Children Under the Age of 6 years old with New and Existing Elevations  $\geq 10\mu\text{g/dL}$  plotted along All Elevations  $\geq 5\mu\text{g/dL}$ , NH, 2012-2017**

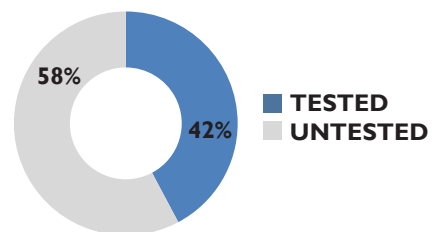


**Figure 5: Percentage of One-Year-Old NH Medicaid Recipients Tested for Blood Lead, 2017**



NH 2017 Medicaid enrollment data for 1-year olds indicated that an estimated 3,977 children were continuously\* enrolled for at least 12 months prior to their 2nd year birthday. Sixty-four (64) percent of these children were tested for blood lead exposure during their period of continuous enrollment. NH Blood Lead Screening and Management Guidelines require all 1-and 2-year old Medicaid enrollees to be tested for blood lead.

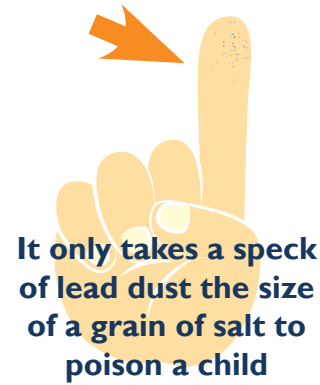
**Figure 6: Percentage of Two-Year-Old NH Medicaid Recipients Tested for Blood Lead, 2017**



NH 2017 Medicaid enrollment data for 2-year olds indicated that an estimated 4,014 children were continuously\* enrolled for at least 12 months prior to their 3rd year birthday. Forty-two (42) percent of these children were tested for blood lead exposure during their period of continuous enrollment. NH Blood Lead Screening and Management Guidelines require all 1-and 2-year old Medicaid enrollees to be tested for blood lead.

\*For purposes of this report, continuous enrollment was defined as a child's enrollment in Medicaid for all 12 months prior to their 2nd year birthday (for 1 year olds) or 3rd year birthday (for 2 year olds), with the exception that a single or multiple enrollment gaps of  $\leq 45$  days during the respective 12 month enrollment period did not exclude an enrollee from being evaluated for meeting blood lead testing requirements. Qualified enrollees that were evaluated for lead testing did not have another primary insurance carrier other than Medicaid during the period of interest.

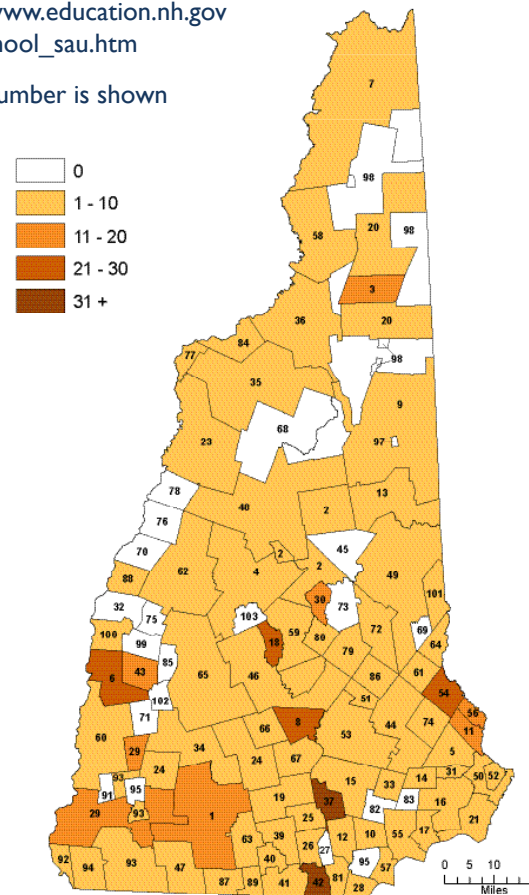
## HEALTHY HOMES & LEAD POISONING PREVENTION PROGRAM



**Figure 7: Number of Children Younger than 6 years old with Elevated Blood Lead Levels  $\geq 5\mu\text{g/dL}$ , 2017, by NH School Administrative Unit\***

[https://www.education.nh.gov/data/school\\_sau.htm](https://www.education.nh.gov/data/school_sau.htm)

\* SAU number is shown



**Table 1: NH Statewide and Highest-Risk Communities: Testing Data, 2017**

TOWN	AGE GROUP (IN MONTHS)	NUMBER SCREENED	POPULATION CENSUS 2010	PERCENTAGE SCREENED (%)	0 - 4 µg/dL Venous & Capillary Tests	5 - 9 µg/dL Venous & Capillary Tests	$\geq 10\mu\text{g/dL}$ Capillary Tests	Existing $\geq 10\mu\text{g/dL}$ Venous Tests Only	New $\geq 10\mu\text{g/dL}$ Venous Tests Only
BERLIN	0 to 11	14	87	16.1	14	0	0	0	0
	12 to 23	70	75	93.3	65	5	0	0	0
	24 to 35	75	102	73.5	67	7	0	0	< 5
	36 to 72	26	284	9.2	23	< 5	0	0	0
CLAREMONT	0 to 11	4	128	3.1	< 5	0	0	0	0
	12 to 23	94	172	54.7	89	< 5	0	0	< 5
	24 to 35	64	177	36.2	59	< 5	< 5	< 5	0
	36 to 72	92	526	17.5	81	9	0	0	< 5
CONCORD	0 to 11	21	440	4.8	20	0	0	0	< 5
	12 to 23	248	452	54.9	232	10	0	0	6
	24 to 35	206	489	42.1	199	5	0	0	< 5
	36 to 72	84	1,441	5.8	75	8	0	< 5	0
DOVER	0 to 11	30	374	8.0	29	< 5	0	0	0
	12 to 23	207	356	58.1	204	< 5	0	0	0
	24 to 35	173	341	50.7	169	< 5	0	0	< 5
	36 to 72	74	1,087	6.8	70	< 5	< 5	0	< 5
KEENE	0 to 11	3	159	1.9	< 5	0	< 5	0	0
	12 to 23	157	182	86.3	152	< 5	0	0	< 5
	24 to 35	117	185	63.2	116	< 5	0	0	0
	36 to 72	60	613	9.8	58	< 5	0	0	0
LACONIA	0 to 11	18	178	10.1	17	< 5	0	0	0
	12 to 23	121	178	68.0	115	< 5	0	< 5	< 5
	24 to 35	74	174	42.5	72	< 5	< 5	0	0
	36 to 72	36	506	7.1	32	< 5	< 5	0	0
MANCHESTER	0 to 11	80	1,525	5.2	77	< 5	< 5	0	0
	12 to 23	1,076	1,512	71.2	1,042	28	0	0	6
	24 to 35	695	1,498	46.4	652	39	0	< 5	< 5
	36 to 72	355	4,165	8.5	330	19	< 5	0	< 5
NASHUA	0 to 11	46	1,076	4.3	46	0	0	0	0
	12 to 23	830	1,088	76.3	798	24	< 5	< 5	5
	24 to 35	452	1,078	41.9	436	10	0	< 5	< 5
	36 to 72	185	3,274	5.7	170	8	< 5	< 5	< 5
NEW CASTLE	0 to 11	0	5	0.0	0	0	0	0	0
	12 to 23	5	7	71.4	5	0	0	0	0
	24 to 35	1	4	25.0	< 5	0	0	0	0
RINDGE	0 to 11	2	20	10.0	< 5	0	0	0	0
	12 to 23	57	65	87.7	56	< 5	0	0	0
	24 to 35	41	65	63.1	40	0	0	0	< 5
ROCHESTER	0 to 11	25	333	7.5	25	0	0	0	0
	12 to 23	196	384	51.0	186	7	< 5	0	< 5
	24 to 35	181	380	47.6	170	10	0	< 5	0
STATE OF NEW HAMPSHIRE	0 to 11	846	12,994	6.5	822	20	< 5	0	< 5
	12 to 23	8,566	13,521	63.4	8,264	244	11	< 5	43
	24 to 35	5,707	13,959	40.9	5,512	150	12	8	25
36 to 72	2,466	44,293	5.6	2,335	101	6	7	17	
<b>TOTAL</b>	<b>0 to 72</b>	<b>17,585</b>	<b>84,767</b>	<b>20.7</b>	<b>16,933</b>	<b>515</b>	<b>31</b>	<b>19</b>	<b>87</b>