

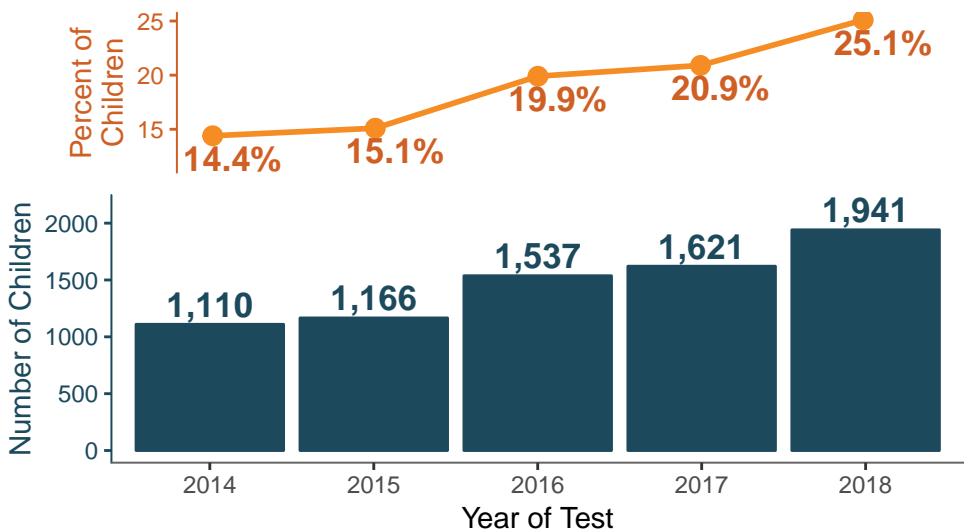


2018 LEAD EXPOSURE DATA BRIEF FOR THE CAPITAL AREA REGION

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

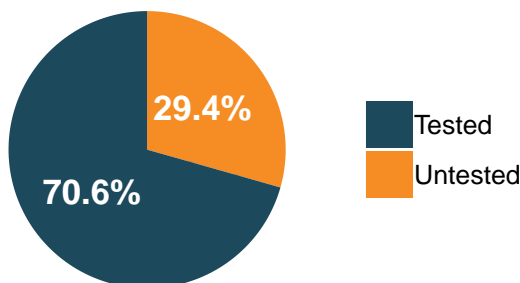
In 2018, 63 children (0 – 72 months old) in the Capital Area Region were identified with elevated blood lead levels of 5 ug/dL or higher.

Annual Number (and Percent) of Children, 0 to 72 Months Old, Tested for Blood Lead in the Capital Area Region 2014 – 2018



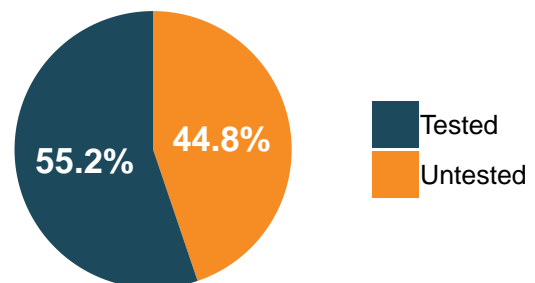
Percent of Children Tested per New Hampshire Screening and Management Guidelines

Percent of One-Year-Old Children Tested for Blood Lead



In 2018, 70.6% of one year-old (12–23 month-old) children residing in the Capital Area Region were tested for lead in their blood (913 of an estimated 1,294 children).

Percent of Two-Year-Old Children Tested for Blood Lead



In 2018, 55.2% of two year-old (24–35 month-old) children residing in the Capital Area Region were tested for lead in their blood (702 of an estimated 1,271 children).

In 2018, New Hampshire passed a state law requiring providers to conduct blood lead level tests for all one and two year-old children.

Childhood Lead Exposure by Town, 2018

TOWN	AGE GROUP (IN MONTHS)	POPULATION DPHS ESTIMATE 2018	NUMBER TESTED 2018	PERCENT TESTED (%) 2018	NUMBER WITH EBLL 5+ ug/dL 2018 ONLY	NUMBER WITH EBLL 5+ ug/dL 2014–2018	NUMBER WITH EBLL 10+ ug/dL VENOUS TESTS 2014–2018
ALLENSTOWN	0 to 72	287	80	28	1 – 4	10	1 – 4
	12 to 23	49	37	76	0	1 – 4	1 – 4
	24 to 35	49	29	59	0	1 – 4	1 – 4
BOSCAWEN	0 to 72	216	49	23	1 – 4	1 – 4	0
	12 to 23	36	21	58	1 – 4	1 – 4	0
	24 to 35	35	20	57	0	0	0
BOW	0 to 72	372	125	34	1 – 4	1 – 4	1 – 4
	12 to 23	65	65	100	1 – 4	1 – 4	1 – 4
	24 to 35	54	47	87	0	0	0
EPSOM	0 to 72	289	77	27	0	6	0
	12 to 23	48	35	73	0	1 – 4	0
	24 to 35	47	30	64	0	1 – 4	0
HENNIKER	0 to 72	226	53	24	1 – 4	6	1 – 4
	12 to 23	37	29	78	0	1 – 4	1 – 4
	24 to 35	36	17	47	0	1 – 4	1 – 4
HILLSBOROUGH	0 to 72	406	104	26	10	39	5
	12 to 23	66	49	74	6	24	1 – 4
	24 to 35	68	31	46	1 – 4	6	1 – 4
HOPKINTON	0 to 72	296	77	26	1 – 4	9	0
	12 to 23	47	36	77	0	5	0
	24 to 35	46	29	63	1 – 4	1 – 4	0
LOUDON	0 to 72	334	60	18	0	7	1 – 4
	12 to 23	56	28	50	0	1 – 4	1 – 4
	24 to 35	55	22	40	0	1 – 4	0
NORTHWOOD	0 to 72	240	68	28	1 – 4	10	1 – 4
	12 to 23	39	37	95	1 – 4	7	1 – 4
	24 to 35	40	24	60	0	1 – 4	0
PEMBROKE	0 to 72	475	110	23	1 – 4	9	1 – 4
	12 to 23	80	46	58	0	1 – 4	1 – 4
	24 to 35	79	41	52	1 – 4	1 – 4	0
PITTSFIELD	0 to 72	301	72	24	8	28	1 – 4
	12 to 23	51	28	55	1 – 4	15	1 – 4
	24 to 35	50	25	50	1 – 4	1 – 4	0
WEARE	0 to 72	582	140	24	1 – 4	19	1 – 4
	12 to 23	95	64	67	1 – 4	9	1 – 4
	24 to 35	96	53	55	1 – 4	6	1 – 4
CONCORD	0 to 72	2582	665	26	28	152	38
	12 to 23	438	304	69	15	71	20
	24 to 35	431	234	54	5	24	7
DOWNTOWN CONCORD	0 to 72	1205	333	28	22	101	25
	12 to 23	211	137	65	11	45	14
	24 to 35	207	111	54	1 – 4	13	1 – 4
SURROUNDING CONCORD	0 to 72	1377	332	24	6	51	13
	12 to 23	227	167	74	1 – 4	26	6
	24 to 35	224	123	55	1 – 4	11	1 – 4
CAPITAL AREA	0 to 72	7747	1941	25	63	342	72
	12 to 23	1294	913	71	32	174	42
	24 to 35	1271	702	55	13	72	16

Childhood blood lead test data is from the NH Healthy Homes Childhood Lead Poisoning Prevention Program. Elevated blood lead levels (EBLL) 5+ ug/dL is defined as a venous or capillary blood test with a result of 5 micrograms per deciliter (ug/dL) or higher. Exact numbers or percents cannot be reported when there are 1–4 cases due to suppression guidelines to protect privacy.

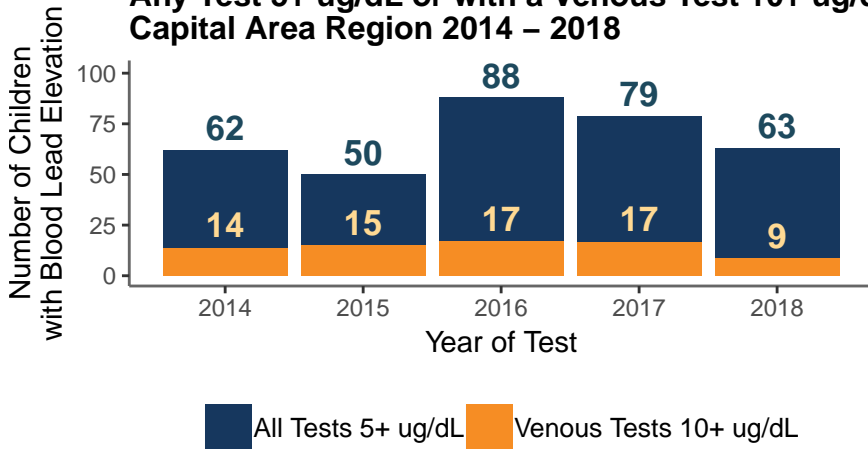
Childhood Lead Risk Factors by Town

TOWN	POPULATION UNDER 6 YO PERCENT (%)	HOUSING UNITS BUILT PRE-1950 PERCENT (%)	HOUSEHOLDS MOVED IN LAST YEAR PERCENT (%)	RENTED HOUSING UNITS W/ CHILDREN UNDER 6 YO PERCENT (%)	UNDER 6 YO LIVING BELOW FED. POVERTY LEVEL PERCENT (%)	UNDER 6 YO IN WITH NO HEALTH INSURANCE PERCENT (%)
ALLENSTOWN	5.9	22	6.8	50	8.3	15.4
BOSCAWEN	6.7	27	4.3	48	27.5	9
BOW	5.1	11	7.4	5	2.3	2
EPSOM	6.3	16	4.9	21	9.2	0
HENNIKER	11.1	31	9.7	37	11.8	0
HILLSBOROUGH	7.8	27	8.9	30	13	4.1
HOPKINTON	7.5	25	7.8	26	0	0
LOUDON	4.7	18	5.6	32	0	0
NORTHWOOD	7	21	10.9	26	3.3	0
PEMBROKE	5	28	9.2	15	0	0
PITTSFIELD	8.7	38	9.4	86	36.6	5.3
WEARE	6.1	13	8	0	0	0
CONCORD	6	38	10.7	46	12.3	2
DOWNTOWN CONCORD	4.6	46	12.8	61	24.3	1.1
SURROUNDING CONCORD	7.2	30	8.6	38	5.9	2.5
CAPITAL AREA	6.2	27	8.5	33	9.7	2.4

Risk factor data is from the American Community Survey (ACS), 5-Year Estimate Data (2013–2017). Percent of renters with children under 6 yo was calculated from housing units with known occupancy status and known age of occupants. Under 6 yo living below federal poverty level was calculated from the number of children in households with income less than the federal poverty level for whom poverty status was determined. Note, percentages for smaller towns may have a large error.

Childhood Lead Exposure

Annual Number of Children 0 to 72 Months Old with Any Test 5+ ug/dL or with a Venous Test 10+ ug/dL Capital Area Region 2014 – 2018



It only takes a speck of lead dust the size of a grain of salt to poison a child

Number of Children 0 to 72 Months Old with Elevated Blood Lead Levels 5+ ug/dL by Town (or Census Tract) in the Capital Area Region, 2014–2018

