



Screening and Prevalence Statistics **2016 Calendar Year Data**

Massachusetts lead regulation (105 CMR 460.050) requires that all children be tested for blood lead between the ages of 9 and 12 months, and again at ages 2 and 3. Additionally, all children should be tested at age 4 if they live in a high risk community in Massachusetts. The following table presents childhood lead screening percentages, prevalence by blood lead levels, and prevalence for estimated confirmed and confirmed blood lead levels. This information is relevant to assessing the need for treatment and prevention services at the community level in Massachusetts.

DATA DESCRIPTION

COMMUNITY: Cities and towns in Massachusetts listed alphabetically.

POPULATION (9-47 MONTHS): The estimated number of total children 9 to 47 months of age by community. The US Census Bureau 2010 population estimate was used for the year 2010. Population estimates from 2011-present were created by the UMass Donahue Institute, using a modified Hamilton-Perry method. For more detail about the UMass Donahue Institute's population estimates, click [here](#).

TOTAL SCREENED (9-47 MONTHS): The total number of children 9 to 47 months of age screened for lead poisoning in the given calendar year.

PERCENT SCREENED: The percentage of children 9 to 47 months of age who were screened for lead poisoning in the given calendar year. This is calculated by dividing the total number of children screened by the underlying population in the geographic area based on the population estimate for the given calendar year.

µg/dL: micrograms per deciliter, the unit of measurement for blood lead specimens.

BLOOD LEAD LEVELS: Number and percentage of children within each blood lead level category, out of all children screened 9 to 47 months of age. Only one blood lead specimen is counted per child. If a child has had more than one blood lead specimen within the designated time period, then the highest specimen is counted, with venous specimens taking priority, followed by confirmed capillary specimens and, finally, unconfirmed capillary specimens when no confirmed specimens are available.

The blood lead categories include both confirmed and unconfirmed blood lead specimens. A confirmed blood lead specimen is either a single venous blood lead specimen of any value, or two capillary blood lead specimens ≥ 5 µg/dL drawn within 12 weeks of each other. A single capillary blood lead specimen of any value is considered unconfirmed. On December 1, 2017, the Massachusetts Childhood Lead Poisoning Prevention Program (CLPPP) began requiring venous confirmation of capillary blood lead specimens ≥ 5 µg/dL. Prior to that date, capillary blood lead specimens between 5 and 9 µg/dL were frequently unconfirmed. Unconfirmed

capillary blood lead specimens ≥ 10 $\mu\text{g}/\text{dL}$ are less common but may exist due to a failure to re-test according to guidelines.

In December 2017, the MA CLPPP revised its regulations to define childhood lead poisoning as a venous blood lead level ≥ 10 $\mu\text{g}/\text{dL}$ and to define a blood lead level of concern as one between 5 and 9 $\mu\text{g}/\text{dL}$. The CDC reference level for blood lead in children is 5 $\mu\text{g}/\text{dL}$. To monitor blood lead levels in Massachusetts, the Department of Public Health produces data tables with blood lead levels organized into four categories: 0-4 $\mu\text{g}/\text{dL}$, 5-9 $\mu\text{g}/\text{dL}$, 10-24 $\mu\text{g}/\text{dL}$, and ≥ 25 $\mu\text{g}/\text{dL}$. For each category, the number (N) and percentage (%) of screened children whose highest blood lead specimen fell within the category is shown. For more information regarding the CDC guidelines, please visit the CDC's information page on blood lead levels [here](#).

ESTIMATED CONFIRMED ≥ 5 : Capillary blood tests can be a useful tool for preliminary lead screening because they are easier to conduct than venous tests, especially on children. However, a single capillary test does not provide adequate precision or reliability to be considered confirmatory of an elevated blood lead level. Only about 1/3 of capillary results in the 5-9 $\mu\text{g}/\text{dL}$ range are found to be truly ≥ 5 $\mu\text{g}/\text{dL}$ upon retest. Until confirmatory testing of preliminary capillary results 5-9 $\mu\text{g}/\text{dL}$ becomes standard practice in Massachusetts, as required by MA CLPPP as of December 1, 2017, a calculation is employed to estimate the true number of children with blood lead levels ≥ 5 $\mu\text{g}/\text{dL}$. The number of children with estimated confirmed ≥ 5 $\mu\text{g}/\text{dL}$ blood lead levels is calculated as the sum of those with confirmed blood lead levels ≥ 5 $\mu\text{g}/\text{dL}$ and a proportion of those having unconfirmed blood lead levels ≥ 5 $\mu\text{g}/\text{dL}$. The proportion of unconfirmed blood lead levels ≥ 5 $\mu\text{g}/\text{dL}$ estimated to be truly elevated is based on the annual statewide proportion of capillary results in the 5-9 $\mu\text{g}/\text{dL}$ range found to be truly ≥ 5 $\mu\text{g}/\text{dL}$ upon retest (positive predictive value).

CONFIRMED ≥ 10 : The Childhood Lead Poisoning Prevention Program defines lead poisoning as a blood lead level ≥ 10 $\mu\text{g}/\text{dL}$. This data shows the number (N) and percentage (%) of children 9 to 47 months of age with a confirmed blood lead specimen ≥ 10 $\mu\text{g}/\text{dL}$. While not presented in the table, the number of unconfirmed ≥ 10 $\mu\text{g}/\text{dL}$ can be calculated by summing the 10-24 and ≥ 25 $\mu\text{g}/\text{dL}$ blood lead level categories and then subtracting the number of confirmed ≥ 10 $\mu\text{g}/\text{dL}$.

PERCENT PRE-1978 HOUSING UNITS: An estimate of the percentage of all housing units built prior to 1978, according to the 2011-2015 American Community Survey. In 1977, the Consumer Product Safety Commission banned lead-containing paint (16 C.F.R. 1303). Housing units built prior to this date may contain dangerous levels of lead in paint. According to Massachusetts regulations (105 CMR 460.000), removal or covering of lead hazards is required in units built before 1978 where a child under six years of age is living. This is a change from earlier high risk community incidence rate statistics (data prior to 2009-2013), which used the percentage of all housing units built prior to 1950.

Screening and Prevalence of Childhood Blood Lead Levels for Children 9 months to less than 4 years of age by Community

Calendar Year 2016: January 01, 2016- December 31, 2016

Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
ABINGTON	651	485	75	476 (98.1)	8 (1.6)	NS (NS)	0 (0.0)	6 (1.2)	NS (NS)	NS (NS)	67	
ACTON	738	450	61	443 (98.4)	NS (NS)	NS (NS)	NS (NS)	7 (1.6)	NS (NS)	NS (NS)	61	
ACUSHNET	275	234	85	233 (99.6)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	65	
ADAMS	229	216	94	194 (89.8)	21 (9.7)	NS (NS)	0 (0.0)	11 (5.1)	NS (NS)	NS (NS)	92	
AGAWAM	867	640	74	630 (98.4)	8 (1.2)	NS (NS)	0 (0.0)	8 (1.2)	NS (NS)	NS (NS)	68	
ALFORD	7	3	43	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	52	
AMESBURY	578	385	67	364 (94.5)	20 (5.2)	NS (NS)	0 (0.0)	14 (3.6)	NS (NS)	NS (NS)	68	
AMHERST	506	318	63	316 (99.4)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	64	
ANDOVER	1120	755	67	749 (99.2)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	68	
AQUINNAH	10	1	10	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	41	
ARLINGTON	1816	1479	81	1460 (98.7)	18 (1.2)	1 (0.1)	0 (0.0)	13 (0.9)	1 (0.1)	1 (0.1)	89	
ASHBURNHAM	204	109	53	105 (96.3)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	60	
ASHBY	104	52	50	51 (98.1)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	68	
ASHFIELD	37	16	43	13 (81.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	63	
ASHLAND	841	558	66	552 (98.9)	NS (NS)	NS (NS)	0 (0.0)	6 (1.1)	NS (NS)	NS (NS)	43	

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)								Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4		5-9		10-24		≥25		N	(%)	N	(%)	
				N	(%)	N	(%)	N	(%)	N	(%)	N	(%)			
ATHOL	422	163	39	157	(96.3)	NS	(NS)	NS	(NS)	0	(0.0)	6	(3.7)	NS	(NS)	77
ATTLEBORO	1780	1274	72	1230	(96.5)	35	(2.7)	6	(0.5)	3	(0.2)	31	(2.4)	8	(0.6)	64
AUBURN	503	429	85	426	(99.3)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	69
AVON	137	126	92	123	(97.6)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	84
AYER	330	201	61	197	(98.0)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	60
BARNSTABLE	1356	950	70	932	(98.1)	18	(1.9)	0	(0.0)	0	(0.0)	9	(0.9)	0	(0.0)	57
BARRE	171	88	51	83	(94.3)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	66
BECKET	45	32	71	32	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	50
BEDFORD	528	448	85	442	(98.7)	6	(1.3)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	61
BELCHERTOWN	511	319	62	319	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	42
BELLINGHAM	734	347	47	343	(98.8)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	62
BELMONT	1087	640	59	632	(98.8)	8	(1.2)	0	(0.0)	0	(0.0)	8	(1.2)	0	(0.0)	92
BERKLEY	190	165	87	161	(97.6)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	35
BERLIN	86	63	73	61	(96.8)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	50
BERNARDSTON	47	31	66	28	(90.3)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	64

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Screening and Prevalence of Childhood Blood Lead Levels for Children 9 months to less than 4 years of age by Community

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
BEVERLY	1431	1061	74	1029 (97.0)	31 (2.9)	NS (NS)	0 (0.0)	21 (2.0)	NS (NS)	NS (NS)	80	
BILLERICA	1508	1024	68	1007 (98.3)	16 (1.6)	NS (NS)	0 (0.0)	9 (0.9)	NS (NS)	NS (NS)	65	
BLACKSTONE	305	159	52	155 (97.5)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	54	
BLANDFORD	24	30	>99	30 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	64	
BOLTON	162	153	94	151 (98.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	38	
BOSTON	22102	16789	76	16370 (97.5)	335 (2.0)	76 (0.5)	8 (<0.1)	358 (2.1)	78 (0.5)	NS (NS)	80	
BOURNE	498	363	73	357 (98.3)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	62	
BOXBOROUGH	131	85	65	85 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	51	
BOXFORD	192	174	91	173 (99.4)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	53	
BOYLSTON	141	99	70	98 (99.0)	0 (0.0)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	59	
BRAINTREE	1461	1066	73	1058 (99.2)	7 (0.7)	NS (NS)	0 (0.0)	7 (0.7)	NS (NS)	NS (NS)	74	
BREWSTER	193	106	55	102 (96.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	40	
BRIDGEWATER	748	638	85	630 (98.7)	7 (1.1)	NS (NS)	0 (0.0)	7 (1.1)	NS (NS)	NS (NS)	50	
BRIMFIELD	97	79	81	76 (96.2)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	58	
BROCKTON	4645	3782	81	3588 (94.9)	150 (4.0)	41 (1.1)	3 (0.1)	170 (4.5)	42 (1.1)	NS (NS)	83	

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				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
BROOKFIELD	110	68	62	66 (97.1)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	58	
BROOKLINE	2254	1444	64	1432 (99.2)	10 (0.7)	2 (0.1)	0 (0.0)	11 (0.8)	2 (0.1)	88		
BUCKLAND	49	1	2	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	66		
BURLINGTON	972	666	69	657 (98.6)	8 (1.2)	0 (0.0)	NS (NS)	6 (0.9)	NS (NS)	64		
CAMBRIDGE	3020	2503	83	2471 (98.7)	26 (1.0)	6 (0.2)	0 (0.0)	24 (1.0)	6 (0.2)	77		
CANTON	813	612	75	607 (99.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	60		
CARLISLE	126	83	66	83 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	53		
CARVER	346	256	74	247 (96.5)	8 (3.1)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	40		
CHARLEMONT	28	20	71	20 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	70		
CHARLTON	417	327	78	321 (98.2)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	41		
CHATHAM	93	47	51	44 (93.6)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	60		
CHELMSFORD	1185	895	76	890 (99.4)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	66		
CHELSEA	2080	1912	92	1850 (96.8)	54 (2.8)	8 (0.4)	0 (0.0)	46 (2.4)	7 (0.4)	79		
CHESHIRE	76	82	>99	80 (97.6)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	63		
CHESTER	33	21	64	18 (85.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	67		

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
CHESTERFIELD	23	10	43	10 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	65
CHICOPEE	2090	1318	63	1297 (98.4)	16 (1.2)	5 (0.4)	0 (0.0)	20 (1.5)	5 (0.4)	5 (0.4)	83	
CHILMARK	17	15	88	14 (93.3)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	50	
CLARKSBURG	46	7	15	6 (85.7)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	79	
CLINTON	557	440	79	414 (94.1)	24 (5.5)	NS (NS)	0 (0.0)	17 (3.9)	NS (NS)	NS (NS)	74	
COHASSET	255	222	87	220 (99.1)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	74	
COLRAIN	36	30	83	30 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	61	
CONCORD	467	318	68	318 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	69	
CONWAY	48	27	56	25 (92.6)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	60	
CUMMINGTON	14	18	>99	16 (88.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	65	
DALTON	169	134	79	132 (98.5)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	83	
DANVERS	854	761	89	745 (97.9)	12 (1.6)	NS (NS)	0 (0.0)	10 (1.3)	NS (NS)	NS (NS)	69	
DARTMOUTH	725	681	94	669 (98.2)	11 (1.6)	NS (NS)	0 (0.0)	8 (1.2)	NS (NS)	NS (NS)	62	
DEDHAM	952	709	74	703 (99.2)	6 (0.8)	0 (0.0)	0 (0.0)	6 (0.8)	0 (0.0)	0 (0.0)	73	
DEERFIELD	128	100	78	93 (93.0)	7 (7.0)	0 (0.0)	0 (0.0)	6 (6.0)	0 (0.0)	0 (0.0)	64	

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				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
DENNIS	296	174	59	166 (95.4)	8 (4.6)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	73	
DIGHTON	251	193	77	191 (99.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	55	
DOUGLAS	320	154	48	149 (96.8)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	50	
DOVER	145	117	81	116 (99.1)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	68	
DRACUT	1148	825	72	818 (99.2)	7 (0.8)	0 (0.0)	0 (0.0)	6 (0.7)	0 (0.0)	0 (0.0)	51	
DUDLEY	336	237	71	230 (97.0)	NS (NS)	NS (NS)	0 (0.0)	6 (2.5)	NS (NS)	NS (NS)	63	
DUNSTABLE	69	46	67	46 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	39	
DUXBURY	416	313	75	311 (99.4)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	62	
EAST BRIDGEWATER	482	391	81	378 (96.7)	11 (2.8)	NS (NS)	0 (0.0)	9 (2.3)	NS (NS)	NS (NS)	61	
EAST BROOKFIELD	65	46	71	45 (97.8)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	73	
EAST LONGMEADOW	482	356	74	352 (98.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	67	
EASTHAM	67	33	49	30 (90.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	52	
EASTHAMPTON	481	310	64	300 (96.8)	8 (2.6)	NS (NS)	0 (0.0)	10 (3.2)	NS (NS)	NS (NS)	71	
EASTON	670	542	81	539 (99.4)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	53	
EDGARTOWN	132	54	41	51 (94.4)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	39	

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EGREMONT	20	9	45	9 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	65
ERVING	58	21	36	20 (95.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	NS (NS)	0 (0.0)	68
ESSEX	111	83	75	80 (96.4)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	72
EVERETT	2201	1681	76	1628 (96.8)	49 (2.9)	3 (0.2)	1 (0.1)	40 (2.4)	4 (0.2)	4 (0.2)	4 (0.2)	90
FAIRHAVEN	396	317	80	306 (96.5)	8 (2.5)	NS (NS)	0 (0.0)	7 (2.2)	NS (NS)	NS (NS)	NS (NS)	77
FALL RIVER	3507	2728	78	2613 (95.8)	101 (3.7)	12 (0.4)	2 (0.1)	65 (2.4)	14 (0.5)	14 (0.5)	14 (0.5)	83
FALMOUTH	763	602	79	596 (99.0)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	61
FITCHBURG	1787	1102	62	1051 (95.4)	41 (3.7)	10 (0.9)	0 (0.0)	40 (3.6)	8 (0.7)	8 (0.7)	8 (0.7)	77
FLORIDA	30	3	10	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	63
FOXBOROUGH	635	443	70	433 (97.7)	8 (1.8)	NS (NS)	0 (0.0)	7 (1.6)	NS (NS)	NS (NS)	NS (NS)	59
FRAMINGHAM	3222	2110	65	2063 (97.8)	43 (2.0)	4 (0.2)	0 (0.0)	43 (2.0)	4 (0.2)	4 (0.2)	4 (0.2)	80
FRANKLIN	1272	592	47	586 (99.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	41
FREETOWN	212	263	>99	260 (98.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	NS (NS)	0 (0.0)	64
GARDNER	778	424	54	405 (95.5)	13 (3.1)	NS (NS)	NS (NS)	15 (3.5)	6 (1.4)	6 (1.4)	6 (1.4)	78
GEORGETOWN	315	224	71	221 (98.7)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	53

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
GILL	28	26	93	25 (96.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	55	
GLOUCESTER	761	665	87	623 (93.7)	38 (5.7)	NS (NS)	0 (0.0)	29 (4.4)	NS (NS)	NS (NS)	77	
GOSHEN	33	5	15	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	61	
GOSNOLD	1	0	0	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	78	
GRAFTON	785	491	63	486 (99.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	51	
GRANBY	149	118	79	116 (98.3)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	67	
GRANVILLE	37	27	73	25 (92.6)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	65	
GREAT BARRINGTON	146	120	82	112 (93.3)	7 (5.8)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	74	
GREENFIELD	619	326	53	315 (96.6)	8 (2.5)	NS (NS)	NS (NS)	10 (3.1)	NS (NS)	NS (NS)	81	
GROTON	365	209	57	206 (98.6)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	47	
GROVELAND	190	135	71	130 (96.3)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	60	
HADLEY	125	57	46	54 (94.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	62	
HALIFAX	242	187	77	186 (99.5)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	66	
HAMILTON	274	224	82	223 (99.6)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	76	
HAMPDEN	114	87	76	86 (98.9)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	71	

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
HANCOCK	20	2	10	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	36
HANOVER	453	396	87	392 (99.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	60
HANSON	322	271	84	266 (98.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	65
HARDWICK	122	40	33	35 (87.5)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	63
HARVARD	115	99	86	98 (99.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	61
HARWICH	265	158	60	153 (96.8)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	58
HATFIELD	69	49	71	49 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	73
HAVERHILL	2893	1828	63	1763 (96.4)	57 (3.1)	5 (0.3)	3 (0.2)	55 (3.0)	8 (0.4)	8 (0.4)	8 (0.4)	66
HAWLEY	7	2	29	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	64
HEATH	12	3	25	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	48
HINGHAM	856	700	82	698 (99.7)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	63
HINSDALE	36	48	>99	47 (97.9)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	68
HOLBROOK	401	316	79	310 (98.1)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	75
HOLDEN	665	461	69	458 (99.3)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	61
HOLLAND	69	54	78	51 (94.4)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	70

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				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
HOLLISTON	477	329	69	323 (98.2)	6 (1.8)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	73	
HOLYOKE	1928	1408	73	1366 (97.0)	37 (2.6)	5 (0.4)	0 (0.0)	34 (2.4)	5 (0.4)	5 (0.4)	84	
HOPEDALE	180	133	74	128 (96.2)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	59	
HOPKINTON	589	445	76	436 (98.0)	8 (1.8)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	42	
HUBBARDSTON	133	62	47	62 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	35	
HUDSON	747	510	68	501 (98.2)	7 (1.4)	NS (NS)	0 (0.0)	6 (1.2)	NS (NS)	NS (NS)	62	
HULL	245	172	70	167 (97.1)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	76	
HUNTINGTON	65	50	77	45 (90.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	66	
IPSWICH	342	234	68	231 (98.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	67	
KINGSTON	431	349	81	344 (98.6)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	51	
LAKEVILLE	331	275	83	272 (98.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	46	
LANCASTER	191	139	73	133 (95.7)	6 (4.3)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	76	
LANESBOROUGH	74	52	70	51 (98.1)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	71	
LAWRENCE	4683	3226	69	3140 (97.3)	69 (2.1)	14 (0.4)	3 (0.1)	81 (2.5)	17 (0.5)	17 (0.5)	82	
LEE	148	90	61	85 (94.4)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	71	

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				0-4		5-9		10-24		≥25		N	(%)	N	(%)	
				N	(%)	N	(%)	N	(%)	N	(%)	N	(%)			
LEICESTER	323	230	71	225	(97.8)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	67
LENOX	97	59	61	56	(94.9)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	68
LEOMINSTER	1469	1130	77	1102	(97.5)	23	(2.0)	NS	(NS)	0	(0.0)	24	(2.1)	NS	(NS)	66
LEVERETT	39	27	69	26	(96.3)	NS	(NS)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	59
LEXINGTON	959	534	56	532	(99.6)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	73
LEYDEN	13	4	31	NS	(NS)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	57
LINCOLN	508	99	19	99	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	55
LITTLETON	333	232	70	230	(99.1)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	57
LONGMEADOW	474	303	64	300	(99.0)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	83
LOWELL	5478	3913	71	3785	(96.7)	104	(2.7)	20	(0.5)	4	(0.1)	110	(2.8)	23	(0.6)	79
LUDLOW	535	380	71	375	(98.7)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	66
LUNENBURG	323	227	70	222	(97.8)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	62
LYNN	4892	3794	78	3605	(95.0)	167	(4.4)	22	(0.6)	0	(0.0)	135	(3.6)	21	(0.6)	88
LYNNFIELD	320	380	>99	377	(99.2)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	72
MALDEN	2707	2036	75	1976	(97.1)	50	(2.5)	8	(0.4)	2	(0.1)	45	(2.2)	9	(0.4)	79

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				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
MANCHESTER	125	85	68	82 (96.5)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	80	
MANSFIELD	802	588	73	580 (98.6)	7 (1.2)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	47	
MARBLEHEAD	576	459	80	451 (98.3)	8 (1.7)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	86	
MARION	117	102	87	100 (98.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	56	
MARLBOROUGH	1880	1175	62	1160 (98.7)	11 (0.9)	NS (NS)	0 (0.0)	10 (0.9)	NS (NS)	NS (NS)	61	
MARSHFIELD	860	610	71	606 (99.3)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	65	
MASHPEE	396	272	69	267 (98.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	29	
MATTAPOISETT	121	99	82	95 (96.0)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	77	
MAYNARD	481	285	59	281 (98.6)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	74	
MEDFIELD	372	374	>99	374 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	63	
MEDFORD	2052	1558	76	1527 (98.0)	27 (1.7)	4 (0.3)	0 (0.0)	27 (1.7)	4 (0.3)	4 (0.3)	83	
MEDWAY	446	312	70	307 (98.4)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	60	
MELROSE	1107	991	90	968 (97.7)	21 (2.1)	NS (NS)	0 (0.0)	19 (1.9)	NS (NS)	NS (NS)	85	
MENDON	174	101	58	99 (98.0)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	40	
MERRIMAC	136	151	>99	143 (94.7)	6 (4.0)	NS (NS)	0 (0.0)	7 (4.6)	NS (NS)	NS (NS)	51	

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				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
METHUEN	2017	1223	61	1206 (98.6)	16 (1.3)	0 (0.0)	1 (0.1)	17 (1.4)	1 (0.1)	63		
MIDDLEBOROUGH	859	585	68	571 (97.6)	11 (1.9)	NS (NS)	0 (0.0)	10 (1.7)	NS (NS)	50		
MIDDLEFIELD	12	2	17	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	38		
MIDDLETON	234	191	82	190 (99.5)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	46		
MILFORD	1207	867	72	834 (96.2)	27 (3.1)	6 (0.7)	0 (0.0)	30 (3.5)	6 (0.7)	67		
MILLBURY	444	297	67	294 (99.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	65		
MILLIS	280	175	62	173 (98.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	59		
MILLVILLE	102	51	50	50 (98.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	61		
MILTON	985	818	83	802 (98.0)	14 (1.7)	NS (NS)	0 (0.0)	15 (1.8)	NS (NS)	83		
MONROE	1	1	100	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	64		
MONSON	226	156	69	150 (96.2)	6 (3.8)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	58		
MONTAGUE	273	166	61	161 (97.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	75		
MONTEREY	24	6	25	6 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	57		
MONTGOMERY	26	8	31	8 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	55		
MOUNT WASHINGTON	2	0	0	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	68		

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				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
NAHANT	59	53	90	49 (92.5)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	89	
NANTUCKET	480	206	43	196 (95.1)	8 (3.9)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	39	
NATICK	1457	1024	70	1013 (98.9)	6 (0.6)	NS (NS)	0 (0.0)	11 (1.1)	NS (NS)	NS (NS)	69	
NEEDHAM	1130	930	82	922 (99.1)	8 (0.9)	0 (0.0)	0 (0.0)	7 (0.8)	0 (0.0)	0 (0.0)	74	
NEW ASHFORD	3	0	0	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	61	
NEW BEDFORD	4290	3595	84	3373 (93.8)	188 (5.2)	31 (0.9)	3 (0.1)	166 (4.6)	33 (0.9)	NS (NS)	85	
NEW BRAintree	28	12	43	12 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	49	
NEW MARLBOROUGH	29	12	41	11 (91.7)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	62	
NEW SALEM	25	8	32	8 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	55	
NEWBURY	193	113	59	108 (95.6)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	54	
NEWBURYPORT	512	365	71	357 (97.8)	7 (1.9)	NS (NS)	0 (0.0)	7 (1.9)	NS (NS)	NS (NS)	73	
NEWTON	3024	2166	72	2145 (99.0)	18 (0.8)	2 (0.1)	1 (<0.1)	16 (0.7)	3 (0.1)	NS (NS)	84	
NORFOLK	336	280	83	277 (98.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	44	
NORTH ADAMS	451	408	90	381 (93.4)	25 (6.1)	0 (0.0)	NS (NS)	14 (3.4)	NS (NS)	NS (NS)	85	
NORTH ANDOVER	1071	777	73	768 (98.8)	9 (1.2)	0 (0.0)	0 (0.0)	7 (0.9)	0 (0.0)	0 (0.0)	56	

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
NORTH ATTLEBOROU	1121	687	61	666 (96.9)	19 (2.8)	NS (NS)	0 (0.0)	14 (2.0)	NS (NS)	NS (NS)	60	
NORTH BROOKFIELD	170	101	59	99 (98.0)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	73	
NORTH READING	523	387	74	385 (99.5)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	57	
NORTHAMPTON	670	455	68	439 (96.5)	13 (2.9)	NS (NS)	0 (0.0)	16 (3.5)	NS (NS)	NS (NS)	78	
NORTHBOROUGH	391	402	>99	399 (99.3)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	56	
NORTHBRIDGE	696	394	57	384 (97.5)	8 (2.0)	NS (NS)	0 (0.0)	9 (2.3)	NS (NS)	NS (NS)	66	
NORTHFIELD	68	35	51	35 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	68	
NORTON	601	430	72	429 (99.8)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	47	
NORWELL	358	320	89	319 (99.7)	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	70	
NORWOOD	1188	948	80	928 (97.9)	17 (1.8)	NS (NS)	NS (NS)	12 (1.3)	NS (NS)	NS (NS)	77	
OAK BLUFFS	159	45	28	42 (93.3)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	49	
OAKHAM	40	36	90	35 (97.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	45	
ORANGE	286	92	32	84 (91.3)	NS (NS)	NS (NS)	0 (0.0)	7 (7.6)	NS (NS)	NS (NS)	69	
ORLEANS	85	54	64	54 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	52	
OTIS	43	15	35	13 (86.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	61	

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Screening and Prevalence of Childhood Blood Lead Levels for Children 9 months to less than 4 years of age by Community

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)								Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4		5-9		10-24		≥25		N	(%)	N	(%)	
				N	(%)	N	(%)	N	(%)	N	(%)	N	(%)			
OXFORD	470	328	70	324	(98.8)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	66
PALMER	348	265	76	251	(94.7)	12	(4.5)	NS	(NS)	0	(0.0)	13	(4.9)	NS	(NS)	69
PAXTON	145	60	41	59	(98.3)	NS	(NS)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	71
PEABODY	1699	1409	83	1392	(98.8)	15	(1.1)	2	(0.1)	0	(0.0)	8	(0.6)	1	(0.1)	66
PELHAM	32	31	97	31	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	64
PEMBROKE	619	413	67	412	(99.8)	NS	(NS)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	59
PEPPERELL	387	218	56	215	(98.6)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	49
PERU	17	7	41	7	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	44
PETERSHAM	33	11	33	8	(72.7)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	67
PHILLIPSTON	43	14	33	14	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	49
PITTSFIELD	1587	1181	74	1124	(95.2)	48	(4.1)	7	(0.6)	NS	(NS)	30	(2.5)	9	(0.8)	83
PLAINFIELD	20	9	45	8	(88.9)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	63
PLAINVILLE	323	219	68	218	(99.5)	NS	(NS)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	55
PLYMOUTH	1999	960	48	953	(99.3)	7	(0.7)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	54
PLYMPTON	71	76	>99	75	(98.7)	NS	(NS)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	51

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)								Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4		5-9		10-24		≥25		N	(%)	N	(%)	
				N	(%)	N	(%)	N	(%)	N	(%)	N	(%)			
PRINCETON	77	57	74	57	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	62
PROVINCETOWN	34	16	47	15	(93.8)	0	(0.0)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	72
QUINCY	3405	2741	80	2686	(98.0)	40	(1.5)	13	(0.5)	2	(0.1)	48	(1.8)	15	(0.5)	72
RANDOLPH	1301	880	68	866	(98.4)	11	(1.2)	NS	(NS)	0	(0.0)	11	(1.2)	NS	(NS)	69
RAYNHAM	486	397	82	390	(98.2)	6	(1.5)	NS	(NS)	0	(0.0)	NS	(NS)	0	(0.0)	47
READING	1052	681	65	676	(99.3)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	76
REHOBOTH	343	219	64	212	(96.8)	6	(2.7)	NS	(NS)	0	(0.0)	6	(2.7)	NS	(NS)	55
REVERE	2409	1986	82	1943	(97.8)	39	(2.0)	4	(0.2)	0	(0.0)	30	(1.5)	4	(0.2)	74
RICHMOND	16	11	69	11	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	71
ROCHESTER	133	108	81	105	(97.2)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	42
ROCKLAND	718	533	74	518	(97.2)	15	(2.8)	0	(0.0)	0	(0.0)	11	(2.1)	0	(0.0)	67
ROCKPORT	136	111	82	106	(95.5)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	77
ROWE	13	1	8	NS	(NS)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	74
ROWLEY	198	119	60	116	(97.5)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	53
ROYALSTON	35	21	60	18	(85.7)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	58

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)								Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4		5-9		10-24		≥25		N	(%)	N	(%)	
				N	(%)	N	(%)	N	(%)	N	(%)	N	(%)			
RUSSELL	65	25	38	22	(88.0)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	0	(0.0)	74
RUTLAND	311	202	65	198	(98.0)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	47
SALEM	1633	1180	72	1133	(96.0)	43	(3.6)	NS	(NS)	NS	(NS)	29	(2.5)	NS	(NS)	79
SALISBURY	240	156	65	154	(98.7)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	60
SANDISFIELD	23	14	61	12	(85.7)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	58
SANDWICH	532	371	70	367	(98.9)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	46
SAUGUS	814	648	80	641	(98.9)	7	(1.1)	0	(0.0)	0	(0.0)	6	(0.9)	0	(0.0)	72
SAVOY	16	3	19	NS	(NS)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	48
SCITUATE	549	524	95	518	(98.9)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	74
SEEKONK	330	260	79	256	(98.5)	NS	(NS)	NS	(NS)	0	(0.0)	NS	(NS)	NS	(NS)	67
SHARON	597	408	68	401	(98.3)	7	(1.7)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	60
SHEFFIELD	61	59	97	51	(86.4)	8	(13.6)	0	(0.0)	0	(0.0)	6	(10.2)	0	(0.0)	67
SHELBURNE	44	55	>99	53	(96.4)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	83
SHERBORN	95	87	92	86	(98.9)	NS	(NS)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	68
SHIRLEY	233	126	54	125	(99.2)	NS	(NS)	0	(0.0)	0	(0.0)	NS	(NS)	0	(0.0)	48

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
SHREWSBURY	1365	1009	74	990 (98.1)	13 (1.3)	NS (NS)	NS (NS)	18 (1.8)	6 (0.6)	57		
SHUTESBURY	41	19	46	18 (94.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	49		
SOMERSET	498	328	66	321 (97.9)	6 (1.8)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	79		
SOMERVILLE	2277	1872	82	1837 (98.1)	28 (1.5)	7 (0.4)	0 (0.0)	25 (1.3)	7 (0.4)	88		
SOUTH HADLEY	429	311	72	305 (98.1)	6 (1.9)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	70		
SOUTHAMPTON	162	119	73	118 (99.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	48		
SOUTHBOROUGH	300	253	84	249 (98.4)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	51		
SOUTHBRIDGE	633	403	64	385 (95.5)	11 (2.7)	7 (1.7)	0 (0.0)	14 (3.5)	6 (1.5)	80		
SOUTHWICK	263	191	73	188 (98.4)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	53		
SPENCER	364	274	75	269 (98.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	71		
SPRINGFIELD	6709	5120	76	4860 (94.9)	213 (4.2)	43 (0.8)	4 (0.1)	218 (4.3)	46 (0.9)	84		
STERLING	231	143	62	143 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	57		
STOCKBRIDGE	24	19	79	16 (84.2)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	78		
STONEHAM	685	585	85	568 (97.1)	16 (2.7)	NS (NS)	0 (0.0)	10 (1.7)	NS (NS)	73		
STOUGHTON	955	746	78	724 (97.1)	18 (2.4)	NS (NS)	0 (0.0)	18 (2.4)	NS (NS)	69		

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
STOW	257	156	61	154 (98.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	56	
STURBRIDGE	412	229	56	221 (96.5)	NS (NS)	NS (NS)	0 (0.0)	7 (3.1)	NS (NS)	NS (NS)	42	
SUDBURY	602	417	69	417 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	61	
SUNDERLAND	90	51	57	51 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	61	
SUTTON	238	187	79	184 (98.4)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	49	
SWAMPSCOTT	454	402	89	394 (98.0)	8 (2.0)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	85	
SWANSEA	407	276	68	268 (97.1)	7 (2.5)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	69	
TAUNTON	2206	1659	75	1621 (97.7)	32 (1.9)	6 (0.4)	0 (0.0)	28 (1.7)	5 (0.3)	5 (0.3)	65	
TEMPLETON	318	148	47	142 (95.9)	6 (4.1)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	52	
TEWKSBURY	992	646	65	639 (98.9)	6 (0.9)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	51	
TISBURY	141	67	48	67 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	48	
TOLLAND	15	0	0	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	48	
TOPSFIELD	143	139	97	139 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	77	
TOWNSEND	287	183	64	175 (95.6)	NS (NS)	NS (NS)	0 (0.0)	6 (3.3)	NS (NS)	NS (NS)	62	
TRURO	27	16	59	15 (93.8)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	55	

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				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
TYNGSBOROUGH	368	288	78	284 (98.6)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	38	
TYRINGHAM	3	2	67	NS (NS)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	54	
UPTON	272	149	55	147 (98.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	53	
UXBRIDGE	503	242	48	239 (98.8)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	49	
WAKEFIELD	939	737	78	718 (97.4)	19 (2.6)	0 (0.0)	0 (0.0)	14 (1.9)	0 (0.0)	0 (0.0)	80	
WALES	66	36	55	33 (91.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	58	
WALPOLE	881	724	82	714 (98.6)	9 (1.2)	NS (NS)	0 (0.0)	6 (0.8)	NS (NS)	NS (NS)	55	
WALTHAM	2276	1595	70	1566 (98.2)	25 (1.6)	4 (0.3)	0 (0.0)	25 (1.6)	4 (0.3)	4 (0.3)	75	
WARE	377	191	51	175 (91.6)	11 (5.8)	NS (NS)	0 (0.0)	16 (8.4)	NS (NS)	NS (NS)	66	
WAREHAM	763	488	64	475 (97.3)	13 (2.7)	0 (0.0)	0 (0.0)	6 (1.2)	0 (0.0)	0 (0.0)	72	
WARREN	186	82	44	76 (92.7)	6 (7.3)	0 (0.0)	0 (0.0)	6 (7.3)	0 (0.0)	0 (0.0)	64	
WARWICK	17	7	41	7 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	65	
WASHINGTON	10	10	100	10 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	50	
WATERTOWN	1182	889	75	870 (97.9)	16 (1.8)	NS (NS)	0 (0.0)	17 (1.9)	NS (NS)	NS (NS)	81	
WAYLAND	407	385	95	384 (99.7)	0 (0.0)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	78	

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				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
WEBSTER	656	481	73	473 (98.3)	6 (1.2)	NS (NS)	0 (0.0)	7 (1.5)	NS (NS)	NS (NS)	75	
WELLESLEY	1097	642	59	635 (98.9)	7 (1.1)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	80	
WELLFLEET	45	28	62	25 (89.3)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	53	
WENDELL	21	12	57	11 (91.7)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	49	
WENHAM	92	95	>99	92 (96.8)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	73	
WEST BOYLSTON	174	135	78	134 (99.3)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	69	
WEST BRIDGEWATER	196	216	>99	214 (99.1)	0 (0.0)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	73	
WEST BROOKFIELD	94	66	70	63 (95.5)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	61	
WEST NEWBURY	105	94	90	92 (97.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	56	
WEST SPRINGFIELD	1132	812	72	786 (96.8)	24 (3.0)	NS (NS)	0 (0.0)	22 (2.7)	NS (NS)	NS (NS)	79	
WEST STOCKBRIDGE	16	19	>99	16 (84.2)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	58	
WEST TISBURY	61	16	26	16 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	28	
WESTBOROUGH	700	628	90	610 (97.1)	13 (2.1)	NS (NS)	NS (NS)	18 (2.9)	NS (NS)	NS (NS)	56	
WESTFIELD	1432	934	65	897 (96.0)	29 (3.1)	8 (0.9)	0 (0.0)	34 (3.6)	7 (0.7)	7 (0.7)	72	
WESTFORD	673	474	70	466 (98.3)	7 (1.5)	NS (NS)	0 (0.0)	8 (1.7)	NS (NS)	NS (NS)	43	

Screening and Prevalence of Childhood Blood Lead Levels for Children 9 months to less than 4 years of age by Community

Calendar Year 2016: January 01, 2016- December 31, 2016

Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
WESTHAMPTON	45	28	62	28 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	55
WESTMINSTER	192	158	82	155 (98.1)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	60
WESTON	311	190	61	187 (98.4)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	69
WESTPORT	383	308	80	301 (97.7)	7 (2.3)	0 (0.0)	0 (0.0)	NS (NS)	NS (NS)	0 (0.0)	0 (0.0)	62
WESTWOOD	473	365	77	363 (99.5)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	NS (NS)	0 (0.0)	0 (0.0)	69
WEYMOUTH	2152	1544	72	1515 (98.1)	23 (1.5)	5 (0.3)	1 (0.1)	21 (1.4)	5 (0.3)	5 (0.3)	5 (0.3)	75
WHATELY	43	13	30	13 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	61
WHITMAN	615	430	70	418 (97.2)	11 (2.6)	NS (NS)	0 (0.0)	9 (2.1)	NS (NS)	NS (NS)	NS (NS)	79
WILBRAHAM	390	303	78	301 (99.3)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	NS (NS)	0 (0.0)	0 (0.0)	74
WILLIAMSBURG	64	66	>99	63 (95.5)	NS (NS)	NS (NS)	0 (0.0)	NS (NS)	NS (NS)	NS (NS)	NS (NS)	68
WILLIAMSTOWN	122	94	77	92 (97.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	NS (NS)	0 (0.0)	0 (0.0)	79
WILMINGTON	915	557	61	555 (99.6)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	NS (NS)	0 (0.0)	0 (0.0)	58
WINCHENDON	336	196	58	190 (96.9)	6 (3.1)	0 (0.0)	0 (0.0)	NS (NS)	NS (NS)	0 (0.0)	0 (0.0)	59
WINCHESTER	836	623	75	618 (99.2)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	NS (NS)	0 (0.0)	0 (0.0)	79
WINDSOR	11	9	82	9 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	53

Screening and Prevalence of Childhood Blood Lead Levels for Children 9 months to less than 4 years of age by Community

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Community	Population 9-47 mo. ¹	Total Screened	Percent Screened	Blood Lead Levels ² (µg/dL)				Estimated Confirmed ≥5 ³		Confirmed ≥10 ⁴		Percent Pre-1978 Housing Units ⁵
				0-4 N (%)	5-9 N (%)	10-24 N (%)	≥25 N (%)	N (%)	N (%)	N (%)	N (%)	
WINTHROP	601	477	79	461 (96.6)	14 (2.9)	NS (NS)	0 (0.0)	10 (2.1)	NS (NS)	NS (NS)	90	
WOBURN	1594	1140	72	1108 (97.2)	28 (2.5)	NS (NS)	NS (NS)	19 (1.7)	NS (NS)	NS (NS)	72	
WORCESTER	7410	5931	80	5710 (96.3)	192 (3.2)	28 (0.5)	1 (<0.1)	199 (3.4)	29 (0.5)	29 (0.5)	79	
WORTHINGTON	15	13	87	10 (76.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	70	
WRENTHAM	358	262	73	259 (98.9)	NS (NS)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	46	
YARMOUTH	625	415	66	403 (97.1)	12 (2.9)	0 (0.0)	0 (0.0)	NS (NS)	0 (0.0)	0 (0.0)	68	
Total for MA	240,682	175,456	73	170,974 (97.4)	3,799 (2.2)	626 (0.4)	57 (<0.1)	3,471 (2.0)	649 (0.4)	649 (0.4)	71	

Comments:

N = number (counts of children)

NS = number or prevalence is not shown when N is between 1-5 and total screened is less than 1,200. These small numbers are suppressed to protect privacy.

Footnotes:

¹According to MA state regulation (105 CMR 460.050) children are not required to be screened until 9 months of age. Population count for children 9 to 47 months of age is obtained from 2016 UMass Donahue Institute population estimates.

²Blood lead levels include both confirmed and unconfirmed blood lead specimens. Refer to the data description for definitions and practice guidelines.

³The CDC uses a reference level of 5 µg/dL to identify children whose blood lead levels are higher than 97.5% of all U.S. children's levels, based on the National Health and Nutrition Examination Survey (NHANES). There is no safe blood lead level. The number of children with estimated confirmed ≥5 µg/dL blood lead levels is calculated as the sum of those with confirmed blood lead levels ≥5 µg/dL and a proportion of those having unconfirmed blood lead levels ≥5 µg/dL.

⁴MA CLPPP defines a confirmed blood lead level as a single venous blood specimen or 2 capillary blood specimens drawn within 12 weeks of each other.

⁵Percentage of housing units built prior to 1978 as estimated by the 2011-2015 American Community Survey.