



MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program

Childhood Blood Lead Surveillance in Maryland

2015 Annual Report

Blood Lead Level (increment of 5 $\mu\text{g/dL}$) by age, and county of residence
Supplementary Data Tables: Supplement #1

July, 2016



MARYLAND DEPARTMENT OF THE ENVIRONMENT
Lead Poisoning Prevention Program: Childhood Lead Registry
Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Allegany County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	26						26
One Year	583	15				2	600
Two Years	535	8	1			1	545
Three Years	43						43
Four Years	47						47
Five Years	23		1				24
Total	1,257	23	2	0	0	3	1,285

6-17 Years	43	1					44
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Criteria: The highest venous blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	3						3
One Year	57	9				2	68
Two Years	48	5	1			1	55
Three Years	18						18
Four Years	16						16
Five Years	11		1				12
Total	153	14	2	0	0	3	172

6-17 Years	12						12
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Notes:

- County assignment in the order of available address information is based on census tract or the zip code of the address.
- The selection of the highest blood lead level is in the order of venous, unknown, or capillary.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
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Residence
(Annual Report 2015)

Anne Arundel County

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	575	3					578
One Year	3,934	24	2	1		1	3,962
Two Years	2,869	19	2	1		1	2,892
Three Years	686	2	1				689
Four Years	652	2					654
Five Years	531	2					533
Total	9,247	52	5	2	0	2	9,308
6-17 Years	498	3					501
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	291	1					292
One Year	1,792	14	2	1			1,809
Two Years	1,142	6	1	1		1	1,151
Three Years	529	2	1				532
Four Years	484	2					486
Five Years	403	2					405
Total	4,641	27	4	2	0	1	4,675
6-17 Years	434	2					436

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Residence
(Annual Report 2015)

Baltimore County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	1,432	11					1,443
One Year	6,401	79	12	2	1		6,495
Two Years	5,173	51	5	1		1	5,231
Three Years	1,206	24		2			1,232
Four Years	1,113	15	3	1			1,132
Five Years	860	15	1	1			877
Total	16,185	195	21	7	1	1	16,410
6-17 Years	1,438	19	4	2			1,463
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	733	7					740
One Year	4,184	55	11	2	1		4,253
Two Years	3,482	32	5	1		1	3,521
Three Years	909	23		2			934
Four Years	866	14	3	1			884
Five Years	671	11	1	1			684
Total	10,845	142	20	7	1	1	11,016
6-17 Years	1,183	14	4	2			1,203

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
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Residence
(Annual Report 2015)

Baltimore City
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	1,255	31	8				1,294
One Year	5,843	285	51	8	8	9	6,204
Two Years	4,826	300	33	10	5	7	5,181
Three Years	1,640	124	21	6	2	4	1,797
Four Years	1,559	114	11	3	5	4	1,696
Five Years	991	50	3	5	1		1,050
Total	16,114	904	127	32	21	24	17,222
6-17 Years	2,149	83	14	3	1	2	2,252
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	824	20	7				851
One Year	3,843	206	50	8	7	9	4,123
Two Years	3,337	232	32	10	5	7	3,623
Three Years	1,346	104	20	6	2	4	1,482
Four Years	1,299	101	11	3	5	4	1,423
Five Years	816	44	3	5	1		869
Total	11,465	707	123	32	20	24	12,371
6-17 Years	1,796	65	14	3	1	2	1,881

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Residence
(Annual Report 2015)

Calvert County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	77	1					78
One Year	328	4					332
Two Years	158						158
Three Years	25						25
Four Years	28						28
Five Years	27						27
Total	643	5	0	0	0	0	648
6-17 Years	45						45
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	22	1					23
One Year	123	2					125
Two Years	57						57
Three Years	13						13
Four Years	21						21
Five Years	14						14
Total	250	3	0	0	0	0	253
6-17 Years	28						28

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
Lead Poisoning Prevention Program: Childhood Lead Registry
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Residence
(Annual Report 2015)

Caroline County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	10						10
One Year	296	7	1				304
Two Years	256	1	1			1	259
Three Years	55	1				1	57
Four Years	30	3					33
Five Years	22						22
Total	669	12	2	0	0	2	685
6-17 Years	10						10
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	7						7
One Year	162	7	1				170
Two Years	106	1	1			1	109
Three Years	45	1				1	47
Four Years	20	3					23
Five Years	16						16
Total	356	12	2	0	0	2	372
6-17 Years	6						6

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
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Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Carroll County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	190	2					192
One Year	629	12		1			642
Two Years	382	4	1				387
Three Years	79	1					80
Four Years	68						68
Five Years	83	1					84
Total	1,431	20	1	1	0	0	1,453
6-17 Years	61	2					63
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	116	2					118
One Year	451	6		1			458
Two Years	313	2	1				316
Three Years	71	1					72
Four Years	62						62
Five Years	68	1					69
Total	1,081	12	1	1	0	0	1,095
6-17 Years	49	2					51

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Lead Poisoning Prevention Program: Childhood Lead Registry
Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Cecil County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	74	1					75
One Year	622	14				1	637
Two Years	309	8					317
Three Years	131	2	1				134
Four Years	184	4					188
Five Years	84						84
Total	1,404	29	1	0	0	1	1,435
6-17 Years	70						70
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	35	1					36
One Year	271	8				1	280
Two Years	116	3					119
Three Years	57	2					59
Four Years	79	1					80
Five Years	42						42
Total	600	15	0	0	0	1	616
6-17 Years	47						47

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
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Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Charles County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	299	1					300
One Year	759	7		1			767
Two Years	789	6	1	1			797
Three Years	163						163
Four Years	132	1					133
Five Years	73						73
Total	2,215	15	1	2	0	0	2,233
6-17 Years	107	1					108
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	100						100
One Year	262	5		1			268
Two Years	324	1	1				326
Three Years	105						105
Four Years	80						80
Five Years	53						53
Total	924	6	1	1	0	0	932
6-17 Years	71	1					72

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Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Dorchester County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	4						4
One Year	252	4	1				257
Two Years	232	3					235
Three Years	79	4					83
Four Years	34	2					36
Five Years	14	1					15
Total	615	14	1	0	0	0	630
6-17 Years	26	2					28
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	2						2
One Year	111	2	1				114
Two Years	96	3					99
Three Years	60	4					64
Four Years	22	2					24
Five Years	10	1					11
Total	301	12	1	0	0	0	314
6-17 Years	19	2					21

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Residence
(Annual Report 2015)

Frederick County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	175	1					176
One Year	1,796	21	1	1			1,819
Two Years	589	5				1	595
Three Years	292	2	2				296
Four Years	314	3					317
Five Years	204						204
Total	3,370	32	3	1	0	1	3,407
6-17 Years	206	1					207
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	55						55
One Year	909	10	1	1			921
Two Years	386	4				1	391
Three Years	221	2	2				225
Four Years	232	2					234
Five Years	156						156
Total	1,959	18	3	1	0	1	1,982
6-17 Years	173	1					174

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
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Residence
(Annual Report 2015)

Garrett County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	12	1					13
One Year	160						160
Two Years	127						127
Three Years	46						46
Four Years	33						33
Five Years	15						15
Total	393	1	0	0	0	0	394
6-17 Years	12						12
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	10	1					11
One Year	96						96
Two Years	65						65
Three Years	35						35
Four Years	29						29
Five Years	11						11
Total	246	1	0	0	0	0	247
6-17 Years	10						10

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
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Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Harford County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	209	1					210
One Year	1,210	9	2	1			1,222
Two Years	811	9	1				821
Three Years	267	2					269
Four Years	264	1					265
Five Years	213	1					214
Total	2,974	23	3	1	0	0	3,001
6-17 Years	261	2					263
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	131	1					132
One Year	760	1	2	1			764
Two Years	504	5	1				510
Three Years	226	2					228
Four Years	225	1					226
Five Years	177	1					178
Total	2,023	11	3	1	0	0	2,038
6-17 Years	237	2					239

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
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Residence
(Annual Report 2015)

Howard County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	230						230
One Year	1,068	17	1	1			1,087
Two Years	629	5	1			1	636
Three Years	233	6					239
Four Years	211						211
Five Years	189	2					191
Total	2,560	30	2	1	0	1	2,594
6-17 Years	369	1		2			372
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	155						155
One Year	800	12	1	1			814
Two Years	483	4	1			1	489
Three Years	202	5					207
Four Years	193						193
Five Years	166	2					168
Total	1,999	23	2	1	0	1	2,026
6-17 Years	337	1		2			340

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(Annual Report 2015)

Kent County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	12	1					13
One Year	102	3					105
Two Years	85						85
Three Years	22	2	1				25
Four Years	18	1					19
Five Years	5						5
Total	244	7	1	0	0	0	252
6-17 Years	4						4
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	6	1					7
One Year	68	1					69
Two Years	52						52
Three Years	15	2	1				18
Four Years	14	1					15
Five Years	3						3
Total	158	5	1	0	0	0	164
6-17 Years	2						2

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Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Montgomery County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	3,491	18	1	1			3,511
One Year	6,045	55	12	2	1	1	6,116
Two Years	5,050	37	3	2			5,092
Three Years	1,596	11	3	1			1,611
Four Years	2,137	15	1	1			2,154
Five Years	1,491	11	3				1,505
Total	19,810	147	23	7	1	1	19,989
6-17 Years	1,784	19	4	6			1,813
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	1,027	7	1	1			1,036
One Year	3,183	15	10	1	1	1	3,211
Two Years	2,508	16	1				2,525
Three Years	1,132	7	3	1			1,143
Four Years	1,593	11	1				1,605
Five Years	1,100	8	3				1,111
Total	10,543	64	19	3	1	1	10,631
6-17 Years	1,418	19	3	4			1,444

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Prince George's County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	2,475	14	7	1	1	2	2,500
One Year	6,177	45	9	1	2		6,234
Two Years	5,175	37	9	5	2		5,228
Three Years	2,244	26	3	2			2,275
Four Years	2,621	24	2	1		1	2,649
Five Years	1,893	24	2	1	1	2	1,923
Total	20,585	170	32	11	6	5	20,809
6-17 Years	3,005	39	5	2	1	1	3,053
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	1,620	8	6	1	1	2	1,638
One Year	4,268	27	9	1	2		4,307
Two Years	3,749	26	9	5	2		3,791
Three Years	1,920	18	3	2			1,943
Four Years	2,322	19	2	1		1	2,345
Five Years	1,690	20	2	1	1	2	1,716
Total	15,569	118	31	11	6	5	15,740
6-17 Years	2,529	33	5	2	1	1	2,571

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Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Queen Anne's County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	24	1					25
One Year	257	3					260
Two Years	191	3					194
Three Years	48	1					49
Four Years	64						64
Five Years	33	1					34
Total	617	9	0	0	0	0	626
6-17 Years	30	2		1			33
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	11	1					12
One Year	91	2					93
Two Years	60						60
Three Years	31	1					32
Four Years	44						44
Five Years	19	1					20
Total	256	5	0	0	0	0	261
6-17 Years	18	1		1			20

Notes:

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
Lead Poisoning Prevention Program: Childhood Lead Registry
Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Saint Mary's County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	211	2					213
One Year	567	4	1				572
Two Years	359						359
Three Years	69		1				70
Four Years	75						75
Five Years	53	1					54
Total	1,334	7	2	0	0	0	1,343
6-17 Years	60						60
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	13	1					14
One Year	77		1				78
Two Years	39						39
Three Years	20		1				21
Four Years	22						22
Five Years	20	1					21
Total	191	2	2	0	0	0	195
6-17 Years	32						32

Notes:

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
Lead Poisoning Prevention Program: Childhood Lead Registry
Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Somerset County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	10						10
One Year	191	3		1			195
Two Years	191	4		1			196
Three Years	49	1	1				51
Four Years	49	1					50
Five Years	12						12
Total	502	9	1	2	0	0	514
6-17 Years	71						71
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	9						9
One Year	168	3		1			172
Two Years	175	4		1			180
Three Years	47	1	1				49
Four Years	46	1					47
Five Years	12						12
Total	457	9	1	2	0	0	469
6-17 Years	66						66

Notes:

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
Lead Poisoning Prevention Program: Childhood Lead Registry
Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Talbot County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	8						8
One Year	289	2	1				292
Two Years	240	1					241
Three Years	43						43
Four Years	30	2					32
Five Years	16						16
Total	626	5	1	0	0	0	632
6-17 Years	26	1	1				28
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	6						6
One Year	118	2	1				121
Two Years	71	1					72
Three Years	29						29
Four Years	18	2					20
Five Years	12						12
Total	254	5	1	0	0	0	260
6-17 Years	16	1	1				18

Notes:

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
Lead Poisoning Prevention Program: Childhood Lead Registry
Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Washington County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	74	3					77
One Year	950	12		1			963
Two Years	784	19	2	2			807
Three Years	275	3	1				279
Four Years	291	2					293
Five Years	247	1					248
Total	2,621	40	3	3	0	0	2,667
6-17 Years	120		1				121
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	37	1					38
One Year	664	12		1			677
Two Years	474	15	2	2			493
Three Years	245	3	1				249
Four Years	263	1					264
Five Years	226	1					227
Total	1,909	33	3	3	0	0	1,948
6-17 Years	117		1				118

Notes:

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
Lead Poisoning Prevention Program: Childhood Lead Registry
Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Wicomico County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	40	1				1	42
One Year	752	11	2		1	1	767
Two Years	698	15					713
Three Years	210	2					212
Four Years	136	3					139
Five Years	70	2					72
Total	1,906	34	2	0	1	2	1,945
6-17 Years	98	3	1				102
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	29	1				1	31
One Year	650	10	2		1	1	664
Two Years	598	15					613
Three Years	198	2					200
Four Years	126	3					129
Five Years	67	2					69
Total	1,668	33	2	0	1	2	1,706
6-17 Years	90	3	1				94

Notes:

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- The selection of the highest blood lead level is in the order of venous, unknown, or capillary.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
Lead Poisoning Prevention Program: Childhood Lead Registry
Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Worcester County
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	9						9
One Year	294	3					297
Two Years	267	1					268
Three Years	87	1					88
Four Years	52	1					53
Five Years	20						20
Total	729	6	0	0	0	0	735
6-17 Years	22						22
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	9						9
One Year	264	3					267
Two Years	238	1					239
Three Years	86	1					87
Four Years	51	1					52
Five Years	20						20
Total	668	6	0	0	0	0	674
6-17 Years	21						21

Notes:

- County assignment in the order of available address information is based on census tract or the zip code of the address.
- The selection of the highest blood lead level is in the order of venous, unknown, or capillary.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
Lead Poisoning Prevention Program: Childhood Lead Registry
Blood Lead Test of Children 0-72 Months in increment of 5 µg/dL by Age and County of
Residence
(Annual Report 2015)

Statewide
Criteria: The highest blood lead test

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	10,922	93	16	2	1	3	11,037
One Year	39,505	639	96	21	13	15	40,289
Two Years	30,725	536	60	23	7	13	31,364
Three Years	9,588	215	35	11	2	5	9,856
Four Years	10,142	194	17	6	5	5	10,369
Five Years	7,169	112	10	7	2	2	7,302
Total	108,051	1,789	234	70	30	43	110,217
6-17 Years	10,515	179	30	16	2	3	10,745
Criteria: The highest venous blood lead test							
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	5,251	54	14	2	1	3	5,325
One Year	23,372	412	92	20	12	14	23,922
Two Years	18,423	376	56	20	7	13	18,895
Three Years	7,560	181	33	11	2	5	7,792
Four Years	8,127	165	17	5	5	5	8,324
Five Years	5,783	95	10	7	2	2	5,899
Total	68,516	1,283	222	65	29	42	70,157
6-17 Years	8,711	147	29	14	2	3	8,906

Notes:

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- The selection of the highest blood lead level is in the order of venous, unknown, or capillary.