



MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program

Childhood Blood Lead Surveillance in Maryland

Annual Report Calendar Year 2017

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g}/\text{dL}$ and blood lead level 5-9 $\mu\text{g}/\text{dL}$ by county of residence (2008-2017)

Supplementary Data Tables: Supplement # 4

October 2018



MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Allegany County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	4,966	1,323	26.6	11	0.8	8	0.6
2009	5,007	1,371	27.4	15	1.1	13	0.9
2010	5,141	1,332	25.9	10	0.8	7	0.5
2011	4,766	1,359	28.5	9	0.7	5	0.4
2012	4,853	1,320	27.2	12	0.9	8	0.6
2013	4,939	1,210	24.5	5	0.4	4	0.3
2014	5,019	1,262	25.1	8	0.6	5	0.4
2015	5,096	1,284	25.2	5	0.4	4	0.3
2016	5,164	1,200	23.2	6	0.5	3	0.3
2017	5,221	1,150	22.0	4	0.3	7	0.6
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	4,966	1,323	26.6	135	10.2		
2009	5,007	1,371	27.4	90	6.6		
2010	5,141	1,332	25.9	75	5.6		
2011	4,766	1,359	28.5	51	3.8		
2012	4,853	1,320	27.2	54	4.1	40	3.0
2013	4,939	1,210	24.5	60	5.0	40	3.3
2014	5,019	1,262	25.1	35	2.8	28	2.2
2015	5,096	1,284	25.2	23	1.8	19	1.5
2016	5,164	1,200	23.2	25	2.1	20	1.7
2017	5,221	1,150	22.0	24	2.1	32	2.8

Refer to page 27 for notes and explanations.

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Anne Arundel County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g}/\text{dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	44,090	6,817	15.5	7	0.1	6	0.1
2009	44,471	7,333	16.5	7	0.1	5	0.1
2010	45,643	7,982	17.5	14	0.2	12	0.2
2011	47,391	8,162	17.2	8	0.1	7	0.1
2012	48,260	8,338	17.3	5	0.1	5	0.1
2013	49,109	8,294	16.9	10	0.1	10	0.1
2014	49,907	9,320	18.7	8	0.1	4	0.0
2015	50,640	9,308	18.4	9	0.1	8	0.1
2016	51,288	10,062	19.6	15	0.1	13	0.1
2017	51,849	12,159	23.5	11	0.1	12	0.1
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g}/\text{dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	44,090	6,817	15.5	123	1.8		
2009	44,471	7,333	16.5	129	1.8		
2010	45,643	7,982	17.5	79	1.0		
2011	47,391	8,162	17.2	75	0.9		
2012	48,260	8,338	17.3	74	0.9	64	0.8
2013	49,109	8,294	16.9	77	0.9	68	0.8
2014	49,907	9,320	18.7	65	0.7	55	0.6
2015	50,640	9,308	18.4	52	0.6	46	0.5
2016	51,288	10,062	19.6	62	0.6	50	0.5
2017	51,849	12,159	23.5	50	0.4	62	0.5

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Baltimore County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	60,547	15,837	26.2	36	0.2	31	0.2
2009	61,053	16,139	26.4	28	0.2	21	0.1
2010	62,670	16,732	26.7	34	0.2	25	0.1
2011	66,014	16,375	24.8	26	0.2	19	0.1
2012	67,225	16,329	24.3	34	0.2	26	0.2
2013	68,408	16,549	24.2	31	0.2	25	0.2
2014	69,520	16,301	23.4	25	0.2	22	0.1
2015	70,539	16,410	23.3	30	0.2	24	0.1
2016	71,443	17,079	23.9	32	0.2	26	0.2
2017	72,222	18,129	25.1	34	0.2	39	0.2
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	60,547	15,837	26.2	483	3.0		
2009	61,053	16,139	26.4	465	2.9		
2010	62,670	16,732	26.7	301	1.8		
2011	66,014	16,375	24.8	288	1.8		
2012	67,225	16,329	24.3	202	1.2	174	1.1
2013	68,408	16,549	24.2	229	1.4	200	1.2
2014	69,520	16,301	23.4	210	1.3	188	1.2
2015	70,539	16,410	23.3	195	1.2	162	1.0
2016	71,443	17,079	23.9	190	1.1	161	0.9
2017	72,222	18,129	25.1	133	0.7	169	0.9

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Baltimore City

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	55,959	18,623	33.3	468	2.5	302	1.6
2009	56,431	19,043	33.7	347	1.8	214	1.1
2010	57,937	19,702	34.0	314	1.6	229	1.2
2011	55,681	19,049	34.2	258	1.4	182	1.0
2012	56,701	18,717	33.0	219	1.2	148	0.8
2013	57,693	18,535	32.1	218	1.2	170	0.9
2014	58,622	17,961	30.6	194	1.1	129	0.7
2015	59,474	17,222	29.0	204	1.2	144	0.8
2016	60,224	16,892	28.0	167	1.0	113	0.7
2017	60,872	17,099	28.1	100	0.6	148	0.9
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	55,959	18,623	33.3	2,551	13.7		
2009	56,431	19,043	33.7	2,254	11.8		
2010	57,937	19,702	34.0	1,764	9.0		
2011	55,681	19,049	34.2	1,436	7.5		
2012	56,701	18,717	33.0	1,224	6.5	800	4.3
2013	57,693	18,535	32.1	1,130	6.1	744	4.0
2014	58,622	17,961	30.6	1,000	5.6	708	3.9
2015	59,474	17,222	29.0	904	5.2	624	3.6
2016	60,224	16,892	28.0	804	4.8	522	3.1
2017	60,872	17,099	28.1	439	2.6	642	3.8

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Calvert County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	6,864	768	11.2	0	0.0	0	0.0
2009	6,920	698	10.1	1	0.1	1	0.1
2010	7,103	717	10.1	1	0.1	1	0.1
2011	7,030	778	11.1	0	0.0	0	0.0
2012	7,159	715	10.0	1	0.1	1	0.1
2013	7,286	635	8.7	0	0.0	0	0.0
2014	7,406	636	8.6	1	0.2	1	0.2
2015	7,520	648	8.6	0	0.0	0	0.0
2016	7,618	787	10.3	0	0.0	0	0.0
2017	7,704	909	11.8	2	0.2	2	0.2
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	6,864	768	11.2	17	2.2		
2009	6,920	698	10.1	19	2.7		
2010	7,103	717	10.1	16	2.2		
2011	7,030	778	11.1	14	1.8		
2012	7,159	715	10.0	7	1.0	7	1.0
2013	7,286	635	8.7	5	0.8	5	0.8
2014	7,406	636	8.6	2	0.3	2	0.3
2015	7,520	648	8.6	5	0.8	5	0.8
2016	7,618	787	10.3	3	0.4	2	0.3
2017	7,704	909	11.8	5	0.6	5	0.6

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Caroline County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	2,497	852	34.1	7	0.8	3	0.4
2009	2,516	839	33.3	7	0.8	5	0.6
2010	2,584	870	33.7	9	1.0	6	0.7
2011	3,176	751	23.6	4	0.5	3	0.4
2012	3,234	773	23.9	2	0.3	2	0.3
2013	3,291	681	20.7	5	0.7	5	0.7
2014	3,345	651	19.5	4	0.6	2	0.3
2015	3,396	685	20.2	4	0.6	4	0.6
2016	3,443	740	21.5	2	0.3	1	0.1
2017	3,483	750	21.5	4	0.5	4	0.5
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	2,497	852	34.1	46	5.4		
2009	2,516	839	33.3	47	5.6		
2010	2,584	870	33.7	42	4.8		
2011	3,176	751	23.6	21	2.8		
2012	3,234	773	23.9	14	1.8	13	1.7
2013	3,291	681	20.7	15	2.2	10	1.5
2014	3,345	651	19.5	10	1.5	9	1.4
2015	3,396	685	20.2	12	1.8	9	1.3
2016	3,443	740	21.5	13	1.8	9	1.2
2017	3,483	750	21.5	13	1.7	16	2.1

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Carroll County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	13,872	1,343	9.7	8	0.6	0	0.0
2009	13,988	1,342	9.6	7	0.5	0	0.0
2010	14,356	1,368	9.5	7	0.5	0	0.0
2011	12,811	1,287	10.0	14	1.1	0	0.0
2012	13,047	1,247	9.6	4	0.3	1	0.1
2013	13,279	1,322	10.0	9	0.7	7	0.5
2014	13,498	1,260	9.3	5	0.4	5	0.4
2015	13,702	1,453	10.6	2	0.1	2	0.1
2016	13,885	1,820	13.1	3	0.2	2	0.1
2017	14,041	2,517	17.9	5	0.2	5	0.2
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	13,872	1,343	9.7	41	3.1		
2009	13,988	1,342	9.6	45	3.4		
2010	14,356	1,368	9.5	43	3.1		
2011	12,811	1,287	10.0	26	2.0		
2012	13,047	1,247	9.6	27	2.2	18	1.4
2013	13,279	1,322	10.0	22	1.7	17	1.3
2014	13,498	1,260	9.3	22	1.7	17	1.3
2015	13,702	1,453	10.6	20	1.4	16	1.1
2016	13,885	1,820	13.1	16	0.9	14	0.8
2017	14,041	2,517	17.9	18	0.7	19	0.8

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Lead Poisoning Prevention Program: Childhood Lead Registry

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Cecil County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	7,965	1,265	15.9	6	0.5	4	0.3
2009	8,030	1,212	15.1	4	0.3	2	0.2
2010	8,245	1,302	15.8	1	0.1	0	0.0
2011	8,884	1,132	12.7	1	0.1	1	0.1
2012	9,047	1,221	13.5	0	0.0	0	0.0
2013	9,206	1,503	16.3	4	0.3	4	0.3
2014	9,356	1,473	15.7	4	0.3	2	0.1
2015	9,496	1,435	15.1	2	0.1	2	0.1
2016	9,621	1,544	16.0	3	0.2	3	0.2
2017	9,727	1,737	17.9	4	0.2	4	0.2
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	7,965	1,265	15.9	42	3.3		
2009	8,030	1,212	15.1	39	3.2		
2010	8,245	1,302	15.8	21	1.6		
2011	8,884	1,132	12.7	17	1.5		
2012	9,047	1,221	13.5	14	1.1	12	1.0
2013	9,206	1,503	16.3	21	1.4	19	1.3
2014	9,356	1,473	15.7	22	1.5	22	1.5
2015	9,496	1,435	15.1	29	2.0	24	1.7
2016	9,621	1,544	16.0	22	1.4	19	1.2
2107	9,727	1,737	17.9	19	1.1	22	1.3

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Lead Poisoning Prevention Program: Childhood Lead Registry

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Charles County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	12,001	2,032	16.9	1	0.0	1	0.0
2009	12,101	1,836	15.2	4	0.2	4	0.2
2010	12,418	2,042	16.4	2	0.1	2	0.1
2011	13,015	1,904	14.6	1	0.1	1	0.1
2012	13,254	1,963	14.8	3	0.2	3	0.2
2013	13,488	2,146	15.9	4	0.2	2	0.1
2014	13,708	2,337	17.0	1	0.0	1	0.0
2015	13,913	2,233	16.0	3	0.1	3	0.1
2016	14,093	2,391	17.0	2	0.1	2	0.1
2017	14,248	2,628	18.4	3	0.1	3	0.1
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	12,001	2,032	16.9	34	1.7		
2009	12,101	1,836	15.2	20	1.1		
2010	12,418	2,042	16.4	25	1.2		
2011	13,015	1,904	14.6	15	0.8		
2012	13,254	1,963	14.8	12	0.6	11	0.6
2013	13,488	2,146	15.9	27	1.3	26	1.2
2014	13,708	2,337	17.0	31	1.3	28	1.2
2015	13,913	2,233	16.0	15	0.7	15	0.7
2016	14,093	2,391	17.0	21	0.9	20	0.8
2017	14,248	2,628	18.4	19	0.7	21	0.8

Refer to page 27 for notes and explanations.

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Dorchester County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	2,266	680	30.0	9	1.3	5	0.7
2009	2,287	730	31.9	3	0.4	2	0.3
2010	2,346	774	33.0	5	0.6	4	0.5
2011	2,747	681	24.8	1	0.1	0	0.0
2012	2,797	694	24.8	1	0.1	1	0.1
2013	2,846	676	23.8	1	0.1	1	0.1
2014	2,892	642	22.2	3	0.5	2	0.3
2015	2,937	630	21.5	1	0.2	1	0.2
2016	2,977	635	21.3	2	0.3	2	0.3
2017	3,009	655	21.8	5	0.8	7	1.1
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	2,266	680	30.0	45	6.6		
2009	2,287	730	31.9	47	6.4		
2010	2,346	774	33.0	29	3.7		
2011	2,747	681	24.8	12	1.8		
2012	2,797	694	24.8	18	2.6	15	2.2
2013	2,846	676	23.8	15	2.2	13	1.9
2014	2,892	642	22.2	15	2.3	13	2.0
2015	2,937	630	21.5	14	2.2	9	1.4
2016	2,977	635	21.3	14	2.2	12	1.9
2017	3,009	655	21.8	7	1.1	11	1.7

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Frederick County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	19,184	3,376	17.6	16	0.5	13	0.4
2009	19,349	3,181	16.4	11	0.3	7	0.2
2010	19,859	3,147	15.8	9	0.3	8	0.3
2011	20,597	3,241	15.7	12	0.4	7	0.2
2012	20,976	3,039	14.5	7	0.2	3	0.1
2013	21,347	2,973	13.9	8	0.3	5	0.2
2014	21,697	2,849	13.1	8	0.3	5	0.2
2015	22,021	3,408	15.5	5	0.1	4	0.1
2016	22,306	4,574	20.5	5	0.1	5	0.1
2017	22,554	5,237	23.2	11	0.2	13	0.2
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	19,184	3,376	17.6	74	2.2		
2009	19,349	3,181	16.4	69	2.2		
2010	19,859	3,147	15.8	43	1.4		
2011	20,597	3,241	15.7	46	1.4		
2012	20,976	3,039	14.5	26	0.9	23	0.8
2013	21,347	2,973	13.9	27	0.9	25	0.8
2014	21,697	2,849	13.1	30	1.1	26	0.9
2015	22,021	3,408	15.5	32	0.9	27	0.8
2016	2,306	4,574	198.4	29	0.6	25	0.5
2017	22,554	5,237	23.2	35	0.7	37	0.7

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Garrett County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	2,468	479	19.4	2	0.4	1	0.2
2009	2,490	473	19.0	2	0.4	2	0.4
2010	2,555	517	20.2	1	0.2	1	0.2
2011	2,185	438	20.0	3	0.7	3	0.7
2012	2,225	427	19.2	1	0.2	0	0.0
2013	2,265	401	17.7	0	0.0	0	0.0
2014	2,302	464	20.2	1	0.2	1	0.2
2015	2,339	394	16.8	0	0.0	0	0.0
2016	2,372	393	16.6	1	0.3	1	0.3
2017	2,399	406	16.9	0	0.0	0	0.0
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	2,468	479	19.4	18	3.8		
2009	2,490	473	19.0	29	6.1		
2010	2,555	517	20.2	14	2.7		
2011	2,185	438	20.0	9	2.1		
2012	2,225	427	19.2	6	1.4	5	1.2
2013	2,265	401	17.7	8	2.0	7	1.7
2014	2,302	464	20.2	4	0.9	3	0.6
2015	2,339	394	16.8	1	0.3	1	0.3
2016	2,372	393	16.6	5	1.3	5	1.3
2017	2,399	406	16.9	4	1.0	6	1.5

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Harford County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	21,005	3,258	15.5	5	0.2	5	0.2
2009	21,180	3,184	15.0	2	0.1	2	0.1
2010	21,745	3,176	14.6	8	0.3	8	0.3
2011	20,720	2,970	14.3	5	0.2	5	0.2
2012	21,100	2,979	14.1	6	0.2	5	0.2
2013	21,473	2,854	13.3	1	0.0	1	0.0
2014	21,824	2,853	13.1	2	0.1	2	0.1
2015	22,148	3,001	13.5	4	0.1	4	0.1
2016	22,438	3,787	16.9	2	0.1	2	0.1
2017	22,685	4,831	21.3	4	0.1	5	0.1
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	21,005	3,258	15.5	60	1.8		
2009	21,180	3,184	15.0	86	2.7		
2010	21,745	3,176	14.6	48	1.5		
2011	20,720	2,970	14.3	31	1.0		
2012	21,100	2,979	14.1	34	1.1	29	1.0
2013	21,473	2,854	13.3	34	1.2	29	1.0
2014	21,824	2,853	13.1	22	0.8	19	0.7
2015	22,148	3,001	13.5	23	0.8	20	0.7
2016	22,438	3,787	16.9	28	0.7	25	0.7
2017	22,685	4,831	21.3	50	1.0	51	1.1

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Howard County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	24,777	2,493	10.1	5	0.2	4	0.2
2009	24,990	2,503	10.0	1	0.0	1	0.0
2010	25,645	2,631	10.3	3	0.1	2	0.1
2011	24,261	2,558	10.5	7	0.3	6	0.2
2012	24,707	2,500	10.1	6	0.2	3	0.1
2013	25,144	2,487	9.9	3	0.1	3	0.1
2014	25,557	2,387	9.3	3	0.1	3	0.1
2015	25,937	2,594	10.0	4	0.2	2	0.1
2016	26,276	3,844	14.6	11	0.3	8	0.2
2017	26,567	5,678	21.4	11	0.2	13	0.2
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	24,777	2,493	10.1	45	1.8		
2009	24,990	2,503	10.0	45	1.8		
2010	25,645	2,631	10.3	27	1.0		
2011	24,261	2,558	10.5	20	0.8		
2012	24,707	2,500	10.1	25	1.0	24	1.0
2013	25,144	2,487	9.9	23	0.9	21	0.8
2014	25,557	2,387	9.3	29	1.2	27	1.1
2015	25,937	2,594	10.0	30	1.2	27	1.0
2016	26,276	3,844	14.6	26	0.7	25	0.7
2017	26,567	5,678	21.4	36	0.6	46	0.8

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Kent County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	1,242	303	24.4	5	1.7	3	1.0
2009	1,253	323	25.8	2	0.6	0	0.0
2010	1,286	277	21.5	2	0.7	2	0.7
2011	1,380	266	19.3	1	0.4	1	0.4
2012	1,406	243	17.3	2	0.8	2	0.8
2013	1,430	262	18.3	1	0.4	1	0.4
2014	1,454	257	17.7	2	0.8	2	0.8
2015	1,478	252	17.1	1	0.4	0	0.0
2016	1,499	220	14.7	0	0.0	0	0.0
2017	1,516	203	13.4	0	0.0	0	0.0
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	1,242	303	24.4	11	3.6		
2009	1,253	323	25.8	11	3.4		
2010	1,286	277	21.5	11	4.0		
2011	1,380	266	19.3	7	2.6		
2012	1,406	243	17.3	7	2.9	6	2.5
2013	1,430	262	18.3	4	1.5	3	1.1
2014	1,454	257	17.7	4	1.6	4	1.6
2015	1,478	252	17.1	7	2.8	6	2.4
2016	1,499	220	14.7	1	0.5	1	0.5
2017	1,516	203	13.4	3	1.5	3	1.5

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Montgomery County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	80,262	18,587	23.2	36	0.2	25	0.1
2009	80,950	18,200	22.5	25	0.1	20	0.1
2010	83,089	20,961	25.2	30	0.1	26	0.1
2011	87,595	19,843	22.7	36	0.2	32	0.2
2012	89,202	20,515	23.0	24	0.1	15	0.1
2013	90,774	20,308	22.4	26	0.1	24	0.1
2014	92,252	19,308	20.9	19	0.1	16	0.1
2015	93,606	19,989	21.4	32	0.2	26	0.1
2016	94,806	22,392	23.6	31	0.1	25	0.1
2017	95,846	25,594	26.7	28	0.1	32	0.1
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	80,262	18,587	23.2	260	1.4		
2009	80,950	18,200	22.5	248	1.4		
2010	83,089	20,961	25.2	242	1.2		
2011	87,595	19,843	22.7	162	0.8		
2012	89,202	20,515	23.0	169	0.8	151	0.7
2013	90,774	20,308	22.4	175	0.9	159	0.8
2014	92,252	19,308	20.9	133	0.7	120	0.6
2015	93,606	19,989	21.4	147	0.7	134	0.7
2016	94,806	22,392	23.6	180	0.8	165	0.7
2017	95,846	25,594	26.7	137	0.5	159	0.6

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Prince George's County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	77,625	18,732	24.1	41	0.2	33	0.2
2990	78,279	19,594	25.0	50	0.3	45	0.2
2010	80,358	21,595	26.9	53	0.2	42	0.2
2011	79,810	19,672	24.6	39	0.2	37	0.2
2012	81,273	20,417	25.1	20	0.1	17	0.1
2013	82,700	20,437	24.7	13	0.1	12	0.1
2014	84,039	20,560	24.5	48	0.2	46	0.2
2015	85,265	20,809	24.4	54	0.3	39	0.2
2016	86,351	21,424	24.8	47	0.2	41	0.2
2017	87,289	22,754	26.1	66	0.3	77	0.3
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	77,625	18,732	24.1	427	2.3		
2990	78,279	19,594	25.0	354	1.8		
2010	80,358	21,595	26.9	419	1.9		
2011	79,810	19,672	24.6	250	1.3		
2012	81,273	20,417	25.1	222	1.1	196	1.0
2013	82,700	20,437	24.7	222	1.1	201	1.0
2014	84,039	20,560	24.5	212	1.0	197	1.0
2015	85,265	20,809	24.4	170	0.8	149	0.7
2016	86,351	21,424	24.8	168	0.8	147	0.7
2017	87,289	22,754	26.1	226	1.0	254	1.1

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Queen Anne's County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	3,583	594	16.6	1	0.2	1	0.2
2009	3,614	607	16.8	4	0.7	4	0.7
2010	3,709	573	15.4	4	0.7	2	0.3
2011	3,798	475	12.5	2	0.4	2	0.4
2012	3,868	494	12.8	2	0.4	2	0.4
2013	3,936	444	11.3	2	0.5	2	0.5
2014	4,000	634	15.9	2	0.3	1	0.2
2015	4,063	626	15.4	0	0.0	0	0.0
2016	4,119	668	16.2	2	0.3	2	0.3
2017	4,164	736	17.7	1	0.1	1	0.1
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	3,583	594	16.6	13	2.2		
2009	3,614	607	16.8	17	2.8		
2010	3,709	573	15.4	11	1.9		
2011	3,798	475	12.5	7	1.5		
2012	3,868	494	12.8	13	2.6	13	2.6
2013	3,936	444	11.3	5	1.1	3	0.7
2014	4,000	634	15.9	8	1.3	8	1.3
2015	4,063	626	15.4	9	1.4	8	1.3
2016	4,119	668	16.2	5	0.7	4	0.6
2017	4,164	736	17.7	5	0.7	6	0.8

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Saint Mary's County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	8,548	1,517	17.7	4	0.3	3	0.2
2009	8,618	1,527	17.7	4	0.3	3	0.2
2010	8,847	1,659	18.8	0	0.0	0	0.0
2011	10,427	1,602	15.4	0	0.0	0	0.0
2012	10,618	1,634	15.4	1	0.1	1	0.1
2013	10,805	1,533	14.2	0	0.0	0	0.0
2014	10,982	1,384	12.6	3	0.2	2	0.1
2015	11,147	1,343	12.0	2	0.1	1	0.1
2016	11,291	1,352	12.0	1	0.1	1	0.1
2017	11,416	1,530	13.4	0	0.0	0	0.0
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	8,548	1,517	17.7	57	3.8		
2009	8,618	1,527	17.7	50	3.3		
2010	8,847	1,659	18.8	40	2.4		
2011	10,427	1,602	15.4	20	1.2		
2012	10,618	1,634	15.4	28	1.7	26	1.6
2013	10,805	1,533	14.2	20	1.3	19	1.2
2014	10,982	1,384	12.6	13	0.9	12	0.9
2015	11,147	1,343	12.0	7	0.5	6	0.4
2016	11,291	1,352	12.0	7	0.5	6	0.4
2017	11,416	1,530	13.4	7	0.5	11	0.7

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Somerset County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	1,521	522	34.3	2	0.4	2	0.4
2009	1,533	497	32.4	4	0.8	3	0.6
2010	1,575	517	32.8	1	0.2	1	0.2
2011	1,742	549	31.5	2	0.4	1	0.2
2012	1,774	608	34.3	2	0.3	2	0.3
2013	1,805	564	31.2	4	0.7	4	0.7
2014	1,834	526	28.7	2	0.4	2	0.4
2015	1,863	514	27.6	3	0.6	2	0.4
2016	1,892	449	23.7	3	0.7	3	0.7
2017	1,911	444	23.2	1	0.2	1	0.2
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	1,521	522	34.3	30	5.7		
2009	1,533	497	32.4	17	3.4		
2010	1,575	517	32.8	16	3.1		
2011	1,742	549	31.5	10	1.8		
2012	1,774	608	34.3	18	3.0	13	2.1
2013	1,805	564	31.2	4	0.7	3	0.5
2014	1,834	526	28.7	9	1.7	8	1.5
2015	1,863	514	27.6	9	1.8	8	1.6
2016	1,892	449	23.7	6	1.3	3	0.7
2017	1,911	444	23.2	3	0.7	5	1.1

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Talbot County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	2,399	612	25.5	5	0.8	5	0.8
2009	2,417	675	27.9	4	0.6	3	0.4
2010	2,482	692	27.9	3	0.4	2	0.3
2011	2,600	655	25.2	4	0.6	3	0.5
2012	2,648	606	22.9	3	0.5	2	0.3
2013	2,695	667	24.8	9	1.3	8	1.2
2014	2,739	584	21.3	1	0.2	0	0.0
2015	2,781	632	22.7	1	0.2	1	0.2
2016	2,821	634	22.5	2	0.3	2	0.3
2017	2,852	647	22.7	1	0.2	2	0.3
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	2,399	612	25.5	26	4.2		
2009	2,417	675	27.9	21	3.1		
2010	2,482	692	27.9	20	2.9		
2011	2,600	655	25.2	14	2.1		
2012	2,648	606	22.9	8	1.3	6	1.0
2013	2,695	667	24.8	10	1.5	9	1.3
2014	2,739	584	21.3	8	1.4	5	0.9
2015	2,781	632	22.7	5	0.8	3	0.5
2016	2,821	634	22.5	2	0.3	1	0.2
2017	2,852	647	22.7	6	0.9	7	1.1

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Washington County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	11,113	3,041	27.4	13	0.4	11	0.4
2009	11,207	3,006	26.8	9	0.3	9	0.3
2010	11,503	2,544	22.1	9	0.4	6	0.2
2011	12,462	2,691	21.6	12	0.4	10	0.4
2012	12,691	2,675	21.1	0	0.0	0	0.0
2013	12,915	2,714	21.0	7	0.3	7	0.3
2014	13,126	2,699	20.6	6	0.2	5	0.2
2015	13,323	2,667	20.0	6	0.2	5	0.2
2016	13,495	2,822	20.9	8	0.3	7	0.2
2017	13,643	2,815	20.6	5	0.2	5	0.2
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	11,113	3,041	27.4	402	13.2		
2009	11,207	3,006	26.8	362	12.0		
2010	11,503	2,544	22.1	129	5.1		
2011	12,462	2,691	21.6	154	5.7		
2012	12,691	2,675	21.1	119	4.4	102	3.8
2013	12,915	2,714	21.0	59	2.2	51	1.9
2014	13,126	2,699	20.6	84	3.1	77	2.9
2015	13,323	2,667	20.0	40	1.5	35	1.3
2016	13,495	2,822	20.9	42	1.5	32	1.1
2017	13,643	2,815	20.6	33	1.2	37	1.3

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Wicomico County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	6,998	2,420	34.6	20	0.8	13	0.5
2009	7,058	2,248	31.9	10	0.4	6	0.3
2010	7,246	2,342	32.3	9	0.4	5	0.2
2011	8,427	2,215	26.3	5	0.2	4	0.2
2012	8,582	2,154	25.1	4	0.2	4	0.2
2013	8,733	2,048	23.5	6	0.3	5	0.2
2014	8,874	1,937	21.8	4	0.2	4	0.2
2015	9,007	1,945	21.6	5	0.3	4	0.2
2016	9,124	2,075	22.7	8	0.4	6	0.3
2017	9,226	2,285	24.8	4	0.2	7	0.3
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	6,998	2,420	34.6	90	3.7		
2009	7,058	2,248	31.9	94	4.2		
2010	7,246	2,342	32.3	53	2.3		
2011	8,427	2,215	26.3	46	2.1		
2012	8,582	2,154	25.1	44	2.0	35	1.6
2013	8,733	2,048	23.5	48	2.3	41	2.0
2014	8,874	1,937	21.8	26	1.3	22	1.1
2015	9,007	1,945	21.6	34	1.7	29	1.5
2016	9,124	2,075	22.7	35	1.7	27	1.3
2017	9,226	2,285	24.8	18	0.8	26	1.1

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Worcester County

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	3,148	910	28.9	5	0.5	3	0.3
2009	3,177	850	26.8	2	0.2	1	0.1
2010	3,259	900	27.6	2	0.2	2	0.2
2011	3,182	877	27.6	2	0.2	2	0.2
2012	3,240	856	26.4	2	0.2	2	0.2
2013	3,297	830	25.2	3	0.4	3	0.4
2014	3,351	746	22.3	1	0.1	0	0.0
2015	3,403	735	21.6	0	0.0	0	0.0
2016	3,448	834	24.2	2	0.2	2	0.2
2017	3,487	924	26.5	1	0.1	1	0.1
Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	3,148	910	28.9	42	4.6		
2009	3,177	850	26.8	25	2.9		
2010	3,259	900	27.6	15	1.7		
2011	3,182	877	27.6	9	1.0		
2012	3,240	856	26.4	7	0.8	6	0.7
2013	3,297	830	25.2	10	1.2	10	1.2
2014	3,351	746	22.3	10	1.3	9	1.2
2015	3,403	735	21.6	6	0.8	6	0.8
2016	3,448	834	24.2	25	3.0	21	2.5
2017	3,487	924	26.5	12	1.3	15	1.6

Refer to page 27 for notes and explanations.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Lead Poisoning Prevention Program: Childhood Lead Registry

Number and percentage of children 0-72 months old tested for lead, with number and percentage of new (incident) and existing (prevalent) cases of blood lead level ≥ 10 $\mu\text{g/dL}$ and blood lead level 5-9 $\mu\text{g/dL}$ by county of residence

Statewide

Calendar Year	Population of Children	Children Tested		Blood Lead Level ≥ 10 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	474,900	106,453	22.4	713	0.7	489	0.5
2009	478,919	107,416	22.4	553	0.5	379	0.4
2010	491,598	114,829	23.4	531	0.5	399	0.3
2011	500,702	109,534	21.9	452	0.4	342	0.3
2012	509,885	110,539	21.7	364	0.3	255	0.2
2013	518,865	110,082	21.2	371	0.3	304	0.3
2014	527,304	109,031	20.7	355	0.3	262	0.2
2015	535,094	110,217	20.6	377	0.3	280	0.3
2016	541,994	118,619	21.9	355	0.3	270	0.2
2017	547,931	131,833	24.1	305	0.2	388	0.3

Calendar Year	Population of Children	Children Tested		Blood Lead Level 5-9 $\mu\text{g/dL}$			
				Prevalence Cases		Incidence Cases	
		Number	Percent	Number	Percent	Number	Percent
2008	474,900	106,453	22.4	5,077	4.8		
2009	478,919	107,416	22.4	4,583	4.3		
2010	491,598	114,829	23.4	3,506	3.1		
2011	500,702	109,534	21.9	2,740	2.5		
2012	509,885	110,539	21.7	2,375	2.1	1,792	1.6
2013	518,865	110,082	21.2	2,251	2.0	1,724	1.6
2014	527,304	109,031	20.7	2,004	1.8	1,607	1.5
2015	535,094	110,217	20.6	1,789	1.6	1,388	1.3
2016	541,994	118,619	21.9	1,729	1.5	1,316	1.1
2017	547,931	131,833	24.1	1,302	1.0	1,662	1.3

Terms and definitions

1. The 2008-2010 populations are adapted from US Census Bureau: “State Interim Population Projection by Age and Sex: 2000-2030”. Populations for 2011-2017 were adapted from Maryland census population 2010, provided by the Maryland Data Center, Maryland Department of Planning, www.planning.maryland.gov/msdc.
2. The term “Prevalence” is based on number of children with a given blood lead level in a given period of time.

3. The term “Incidence” is based on number of children with the very first given blood lead level in a given period of time.
4. In March 2012, CDC adopted the blood lead level of 5 µg/dL as “Reference Value”. To accommodate this revision, from 2012 forward the prevalence and incidence of blood lead level 5-9 µg/dL were added to this supplementary data table.
5. Numbers are based on number of children tested. For children with multiple tests in a calendar year the highest blood lead test in the order of venous, unknown, or capillary was selected. As such a child who is counted under “Blood Lead Level ≥ 10 ” has not been counted under “Blood Lead Level 5-9” even if the child had a blood lead test in that category in that calendar year.
6. County assignment is based on child’s address census tract or the zip code. Reports with no or incomplete address were assumed to be from Maryland children with county unknown.
7. Some reports necessarily did not have any address information to be used for county assignment (there were 16 such records for 2017). These reports were counted as “County Unknown” and are not included in this supplement. As such sum of county totals may not equal statewide total