

Lead Poisoning Prevention Program

Childhood Blood Lead Surveillance in Maryland

Annual Report 2016

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence (2007-2016)

Supplementary Data Tables: Supplement # 4

July 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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

Allegany County

		Allegan	y County			
Donulation			Blood Lead Level ≥10 μg/dL			
	Children	Tested	Prevalenc	ce Cases	Incidenc	e Cases
Children	Number	Percent	Number	Percent	Number	Percent
4,957	1,231	24.8	12	1.0	11	0.9
4,966	1,323	26.6	11	0.8	8	0.6
5,007	1,371	27.4	15	1.1	13	0.9
5,141	1,332	25.9	10	0.8	7	0.5
4,766	1,359	28.5	9	0.7	5	0.4
4,853	1,320	27.2	12	0.9	8	0.6
4,939	1,210	24.5	5	0.4	4	0.3
5,019	1,262	25.1	8	0.6	5	0.4
5,096	1,284	25.2	5	0.4	4	0.3
5,164	1,200	23.2	6	0.5	3	0.3
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Population						
of	Children	Tested		ce Cases		e Cases
Children	Number	Percent	Number	Percent	Number	Percent
4,957	1,231	24.8	151	12.3		
4,966	1,323	26.6	135	10.2		
5,007	1,371	27.4	90	6.6		
5,141	1,332	25.9	75	5.6		
4,766	1,359	28.5	51	3.8		
4,853	1,320	27.2	54	4.1	40	3.0
4,939	1,210	24.5	60	5.0	40	3.3
5,019	1,262	25.1	35	2.8	28	2.2
5,096	1,284	25.2	23	1.8	19	1.5
5,164	1,200	23.2	25	2.1	20	1.7
	4,957 4,966 5,007 5,141 4,766 4,853 4,939 5,019 5,096 5,164  Population of Children 4,957 4,966 5,007 5,141 4,766 4,853 4,939 5,019 5,096	of Children         Children           Value         1,231           4,966         1,323           5,007         1,371           5,141         1,332           4,766         1,359           4,853         1,320           4,939         1,210           5,019         1,262           5,096         1,284           5,164         1,200           Population of Children         Number           4,957         1,231           4,966         1,323           5,007         1,371           5,141         1,332           4,766         1,359           4,853         1,320           4,939         1,210           5,019         1,262           5,096         1,284	Population of Children         Children Tested           Children         Number         Percent           4,957         1,231         24.8           4,966         1,323         26.6           5,007         1,371         27.4           5,141         1,332         25.9           4,766         1,359         28.5           4,853         1,320         27.2           4,939         1,210         24.5           5,019         1,262         25.1           5,096         1,284         25.2           5,164         1,200         23.2    Population  of  Children Tested  Number Percent  4,957         1,231         24.8           4,966         1,323         26.6         5,007         1,371         27.4           5,141         1,332         25.9         4,766         1,359         28.5           4,853         1,320         27.2         4,939         1,210         24.5           5,019         1,262         25.1         5,096         1,284         25.2           5,096         1,284         25.2         1,250         25.1	Population of Children Tested         Children Tested         Prevalence Prevalence           Children Number         Percent         Number           4,957         1,231         24.8         12           4,966         1,323         26.6         11           5,007         1,371         27.4         15           5,141         1,332         25.9         10           4,766         1,359         28.5         9           4,853         1,320         27.2         12           4,939         1,210         24.5         5           5,019         1,262         25.1         8           5,096         1,284         25.2         5           5,164         1,200         23.2         6    Population  Of  Children Tested  Prevalence  Prevalence  Prevalence  Number  4,957  1,231  24.8  151  4,966  1,323  26.6  135  5,007  1,371  27.4  90  5,141  1,332  25.9  75  4,766  1,359  28.5  51  4,766  1,359  28.5  51  4,853  1,320  27.2  54  4,939  1,210  24.5  60  5,019  1,262  25.1  35  5,096  1,284  25.2  23  35  5,096  1,284  25.2  23	Population of Children Tested   Prevalence Cases	Children   Children   Tested   Prevalence Cases   Incidence Children   Number   Percent   Number   Percen

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

### Anne Arundel County

Affile Affiliaer County							
Donulation			Blood Lead Level ≥10 μg/dL				
	Children	Tested	Prevalenc	ce Cases	Incidence	e Cases	
Children	Number	Percent	Number	Percent	Number	Percent	
43,779	6,615	15.1	19	0.3	16	0.2	
44,090	6,817	15.5	7	0.1	6	0.1	
44,471	7,333	16.5	7	0.1	5	0.1	
45,643	7,982	17.5	14	0.2	12	0.2	
47,391	8,162	17.2	8	0.1	7	0.1	
48,260	8,338	17.3	5	0.1	5	0.1	
49,109	8,294	16.9	10	0.1	10	0.1	
49,907	9,320	18.7	8	0.1	4	0.0	
50,640	9,308	18.4	9	0.1	8	0.1	
51,288	10,062	19.6	15	0.1	13	0.1	
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Population			Blo	ood Lead Le	vel 5-9 μg/d	L	
of	Children	Tested	Prevalenc	ce Cases	Incidence	e Cases	
Children	Number	Percent	Number	Percent	Number	Percent	
43,779	6,615	15.1	170	2.6			
44,090	6,817	15.5	123	1.8			
44,471	7,333	16.5	129	1.8			
45,643	7,982	17.5	79	1.0			
45,643 47,391		17.5 17.2	79 75	1.0	_		
	7,982				64	0.8	
47,391	7,982 8,162	17.2	75	0.9	64 68		
47,391 48,260	7,982 8,162 8,338	17.2 17.3	75 74	0.9		0.8	
47,391 48,260 49,109	7,982 8,162 8,338 8,294	17.2 17.3 16.9	75 74 77	0.9 0.9 0.9	68	0.8 0.8 0.6 0.5	
	43,779 44,090 44,471 45,643 47,391 48,260 49,109 49,907 50,640 51,288 Population of Children 43,779 44,090	of Children         Children           Children         Number           43,779         6,615           44,090         6,817           44,471         7,333           45,643         7,982           47,391         8,162           48,260         8,338           49,109         8,294           49,907         9,320           50,640         9,308           51,288         10,062           Population of Children         Number           43,779         6,615           44,090         6,817	Of Children         Children Tested           Children         Number         Percent           43,779         6,615         15.1           44,090         6,817         15.5           44,471         7,333         16.5           45,643         7,982         17.5           47,391         8,162         17.2           48,260         8,338         17.3           49,109         8,294         16.9           49,907         9,320         18.7           50,640         9,308         18.4           51,288         10,062         19.6           Children Tested           Children         Number         Percent           43,779         6,615         15.1           44,090         6,817         15.5	Population of Children         Children Tested         Prevalence           Children         Number         Percent         Number           43,779         6,615         15.1         19           44,090         6,817         15.5         7           44,471         7,333         16.5         7           45,643         7,982         17.5         14           47,391         8,162         17.2         8           48,260         8,338         17.3         5           49,109         8,294         16.9         10           49,907         9,320         18.7         8           50,640         9,308         18.4         9           51,288         10,062         19.6         15           Children Tested         Prevalence           Children         Number         Percent         Number           43,779         6,615         15.1         170           44,090         6,817         15.5         123	Children Tested   Prevalence Cases	Population of Children         Children Tested         Prevalence Cases         Incidence Incid	

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

## **Baltimore County**

	Baitimole County							
	Population			Blood Lead Level ≥10 μg/dL				
Calendar	of	Children	n Tested	Prevalenc	e Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	59,794	16,255	27.2	62	0.4	52	0.3	
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	
	Population		_	Blo	od Lead Le	vel 5-9 μg/c	IL	
Calendar	of	Children	n Tested	Prevalenc	e Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	59,794	16,255	27.2	842	5.2			
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	
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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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

### **Baltimore City**

	Battimore City							
	Population			Blood Lead Level ≥10 μg/dL				
Calendar	of	Children	n Tested	Prevalen	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	55,142	17,670	32.0	624	3.5	435	2.5	
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	
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	Population			Bl	ood Lead Le	vel 5-9 μg/c	lL	
Calendar	of	Children	n Tested	Prevalen	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	55,142	17,670	32.0	3,214	18.2			
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	

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

### **Calvert County**

	Carvert County							
	Population		_	Blood Lead Level ≥10 μg/dL				
Calendar	of	Children	n Tested	Prevalenc	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	6,810	785	11.5	1	0.1	1	0.1	
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	
	Population			Blo	ood Lead Le	vel 5-9 μg/c	lL	
Calendar	of	Children	n Tested	Prevalenc	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	6,810	785	11.5	33	4.2			
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	
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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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

## Caroline County

	Caronic County							
	Population	•		Blood Lead Level ≥10 μg/dL				
Calendar	of	Children	ı Tested	Prevalenc	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	2,490	856	34.4	8	0.9	5	0.6	
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	
	Population	_		Bl	ood Lead Le	vel 5-9 μg/c	iL	
Calendar	of	Children	n Tested	Prevalenc	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	2,490	856	34.4	55	6.4			
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	

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

### **Carroll County**

	Carron County							
	Population			Blood Lead Level ≥10 μg/dL				
Calendar	of	Children	n Tested	Prevalen	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	13,546	1,404	10.4	3	0.2	0	0.0	
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	
	Population			Bl	ood Lead Le	vel 5-9 μg/c	IL	
Calendar	of	Children	n Tested	Prevalen	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	13,546	1,404	10.4	69	4.9			
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	
2010	13,663	1,020	13.1	10	0.9	14	0.8	

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

## Cecil County

	Cecii County							
	Population			Blood Lead Level ≥10 μg/dL				
Calendar	of	Children	n Tested	Prevalen	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	7,894	1,186	15.0	6	0.5	4	0.3	
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	
	Population			Bl	ood Lead Le	vel 5-9 μg/c	IL .	
Calendar	of	Children	n Tested	Prevalen	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	7,894	1,186	15.0	59	5.0			
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	

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

### **Charles County**

	Charles County								
	Population			Blood Lead Level ≥10 μg/dL					
Calendar	of	Children	Tested	Prevalen	ce Cases	Incidenc	e Cases		
Year	Children	Number	Percent	Number	Percent	Number	Percent		
2007	11,529	1,999	17.3	1	0.1	1	0.1		
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		
	Population		_	Ble	ood Lead Le	vel 5-9 μg/c	IL .		
Calendar	of	Children	Tested	Prevalence	ce Cases	Incidenc	e Cases		
Year	Children	Number	Percent	Number	Percent	Number	Percent		
2007	11,529	1,999	17.3	60	3.0				
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		
2013 2014 2015	13,488 13,708 13,913	2,146 2,337 2,233	15.9 17.0 16.0	27 31 15	1.3 1.3 0.7	26 28 15			

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

## **Dorchester County**

	Donulation			Blood Lead Level ≥10 μg/dL			
Calendar	Population of	Children	Tested	Prevalenc	e Cases	Incidenc	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percent
2007	2,201	676	30.7	9	1.3	7	1.0
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	23.7	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
	Population			Blo	od Lead Le	vel 5-9 μg/d	lL
Calendar	of	Children	Tested	Prevalence	e Cases	Incidenc	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percent
2007	2,201	676	30.7	60	8.9		
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	2.707	694	24.8	18	2.6	15	2.2
	2,797	054	21.0				
2013	2,797	676	23.7	15	2.2	13	1.9
2013 2014	1				2.2 2.3	13 13	1.9 2.0
	2,846	676	23.7	15			

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 µg/dL and blood lead level 5-9 µg/dL by county of residence

### Frederick County

	Population		Trederic	Blood Lead Level ≥10 μg/dL				
Calendar	Population of	Children	Tested	Prevalenc	e Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	18,686	3,465	18.5	10	0.3	10	0.3	
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	
	Population			Blo	od Lead Le	vel 5-9 μg/d	L	
Calendar	of.	Children	Tested	Prevalenc	e Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	18,686	3,465	18.5	101	2.9			
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				26	0.0	23	0.8	
2012	20,976	3,039	14.5	26	0.9	23	0.0	
2012	20,976 21,347	3,039 2,973	14.5 13.9	26	0.9	25		
		·					0.8	
2013	21,347	2,973	13.9	27	0.9	25	0.8	
2013 2014	21,347 21,697	2,973 2,849	13.9 13.1	27 30	0.9 1.1	25 26	0.8 0.9 0.8 0.5	

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

### **Garrett County**

	Garrett County							
	Population			Blood Lead Level ≥10 μg/dL				
Calendar	of	Children	Tested	Prevalen	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	2,432	541	22.2	2	0.4	2	0.4	
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	
	Population			Bl	ood Lead Le	vel 5-9 μg/c	iL	
Calendar	of	Children	Tested	Prevalen	ce Cases	Incidence	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	2,432	541	22.2	17	3.1			
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	

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 µg/dL and blood lead level 5-9 µg/dL by county of residence

# Harford County

	Population			Bloc	od Lead Lev	vel ≥10 μg/d	L
Calendar	of	Children	Tested	Prevalence	e Cases	Incidence	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percent
2007	20,947	3,346	16.0	6	0.2	5	0.1
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
	D 1.			Blo	od Lead Lev	vel 5-9 µg/d	L
Calendar	Population	Children	Tested	Blo Prevalence		vel 5-9 µg/d Incidence	
Calendar Year	Population of . Children	Children Number	Tested Percent				e Cases
	of			Prevalence	e Cases	Incidence	e Cases
Year	of Children	Number	Percent	Prevalence Number	e Cases Percent	Incidence	
Year 2007	of Children 20,947	Number 3,346	Percent 16.0	Prevalence Number	Percent 3.4	Incidence	e Cases
Year 2007 2008	of Children 20,947 21,005	Number 3,346 3,258	Percent 16.0 15.5	Prevalence Number 115 60	Percent 3.4 1.8	Incidence	e Cases
Year 2007 2008 2009	of Children 20,947 21,005 21,180	Number 3,346 3,258 3,184	Percent 16.0 15.5 15.0	Prevalence Number 115 60 86	Percent 3.4 1.8 2.7	Incidence	e Cases
Year 2007 2008 2009 2010	of Children 20,947 21,005 21,180 21,745	Number 3,346 3,258 3,184 3,176	Percent 16.0 15.5 15.0 14.6	Prevalence Number 115 60 86 48	Percent 3.4 1.8 2.7 1.5	Incidence	e Cases
Year 2007 2008 2009 2010 2011	of Children 20,947 21,005 21,180 21,745 20,720	Number 3,346 3,258 3,184 3,176 2,970	Percent 16.0 15.5 15.0 14.6 14.3	Prevalence Number 115 60 86 48 31	Percent 3.4 1.8 2.7 1.5 1.0	Incidence Number	e Cases Percent
Year 2007 2008 2009 2010 2011 2012	of Children 20,947 21,005 21,180 21,745 20,720 21,100	Number 3,346 3,258 3,184 3,176 2,970 2,979	Percent 16.0 15.5 15.0 14.6 14.3 14.1	Prevalence Number 115 60 86 48 31 34	Percent 3.4 1.8 2.7 1.5 1.0 1.1	Incidence Number	Percent
Year 2007 2008 2009 2010 2011 2012 2013	of Children 20,947 21,005 21,180 21,745 20,720 21,100 21,473	Number 3,346 3,258 3,184 3,176 2,970 2,979 2,854	Percent 16.0 15.5 15.0 14.6 14.3 14.1 13.3	Prevalence Number 115 60 86 48 31 34 34	Percent 3.4 1.8 2.7 1.5 1.0 1.1 1.2	Incidence Number	Percent  1.0 1.0

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 µg/dL and blood lead level 5-9 µg/dL by county of residence

# Howard County

	Population			Blo	od Lead Lev	vel ≥10 μg/d	lL
Calendar	of	Children	Tested	Prevalenc	e Cases	Incidenc	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percent
2007	24,355	2,334	9.6	3	0.1	2	0.1
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
	Domulation			Blo	od Lead Le	vel 5-9 μg/d	L
	Dominiotion					, p.g,	
Calendar	Population	Children	Tested	Prevalenc	e Cases	Incidenc	e Cases
Calendar Year	of Children	Children Number	Tested Percent	Prevalenc Number	e Cases Percent	Incidenc Number	
	of	1					
Year	of Children	Number	Percent	Number	Percent		e Cases Percent
Year 2007	of Children 24,355	Number 2,334	Percent 9.6	Number 68	Percent 2.9		
Year 2007 2008	of Children 24,355 24,777	Number 2,334 2,493	Percent 9.6 10.1	Number 68 45	Percent 2.9 1.8		
Year 2007 2008 2009	of Children 24,355 24,777 24,990	Number 2,334 2,493 2,503	Percent 9.6 10.1 10.0	Number 68 45 45	Percent 2.9 1.8 1.8		
Year 2007 2008 2009 2010	of Children 24,355 24,777 24,990 25,645	Number 2,334 2,493 2,503 2,631	Percent 9.6 10.1 10.0 10.3	Number 68 45 45 27	Percent 2.9 1.8 1.8 1.0		Percen
Year 2007 2008 2009 2010 2011	of Children 24,355 24,777 24,990 25,645 24,261	Number 2,334 2,493 2,503 2,631 2,558	Percent 9.6 10.1 10.0 10.3 10.5	Number 68 45 45 27 20	Percent 2.9 1.8 1.8 1.0 0.8	Number	Percent
Year 2007 2008 2009 2010 2011 2012	of Children 24,355 24,777 24,990 25,645 24,261 24,707	Number 2,334 2,493 2,503 2,631 2,558 2,500	Percent 9.6 10.1 10.0 10.3 10.5 10.1	Number 68 45 45 27 20 25	Percent 2.9 1.8 1.8 1.0 0.8 1.0	Number 24	
Year 2007 2008 2009 2010 2011 2012 2013	of Children 24,355 24,777 24,990 25,645 24,261 24,707 25,144	Number 2,334 2,493 2,503 2,631 2,558 2,500 2,487	Percent 9.6 10.1 10.0 10.3 10.5 10.1 9.9	Number 68 45 45 27 20 25 23	Percent 2.9 1.8 1.8 1.0 0.8 1.0 0.9	Number  24 21	1.0 0.8

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 µg/dL and blood lead level 5-9 µg/dL by county of residence

## Kent County

	Population			Blo	od Lead Lev	vel ≥10 μg/d	IL
Calendar	of	Children	Tested	Prevalenc	e Cases	Incidence	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percen
2007	1,197	334	27.9	2	0.6	1	0.
2008	1,242	303	24.4	5	1.7	3	1.
2009	1,253	323	25.8	2	0.6	0	0.
2010	1,286	277	21.5	2	0.7	2	0.
2011	1,380	266	19.3	1	0.4	1	0.
2012	1,406	243	17.3	2	0.8	2	0.
2013	1,430	262	18.3	1	0.4	1	0.
2014	1,454	257	17.7	2	0.8	2	0.
2015	1,478	252	17.1	1	0.4	0	0.0
2016	1,499	220	14.7	0	0.0	0	0.0
	Domulation			Blo	od Lead Le	vel 5-9 μg/d	L
	Population	G1 11 1	T . 1		~	Y '1	~
Calendar	of	Children	Tested	Prevalenc	e Cases	Incidence	e Cases
Calendar Year	of L Children	Children Number	Percent	Prevalenc Number	e Cases Percent	Number	
Year	Children	Number	Percent	Number	Percent		
Year 2007	Children 1,197	Number 334	Percent 27.9	Number 21	Percent 6.3		
Year 2007 2008	Children 1,197 1,242	Number 334 303	Percent 27.9 24.4	Number 21 11	Percent 6.3 3.6		
Year 2007 2008 2009 2010	Children 1,197 1,242 1,253	Number 334 303 323	Percent 27.9 24.4 25.8	Number 21 11 11	Percent 6.3 3.6 3.4		
Year 2007 2008 2009 2010 2011	Children 1,197 1,242 1,253 1,286	Number 334 303 323 277	Percent 27.9 24.4 25.8 21.5	Number 21 11 11 11	Percent 6.3 3.6 3.4 4.0		Percer
Year 2007 2008 2009	Children 1,197 1,242 1,253 1,286 1,380	Number 334 303 323 277 266	Percent 27.9 24.4 25.8 21.5 19.3	Number 21 11 11 11 7	Percent 6.3 3.6 3.4 4.0 2.6	Number	Percer 2.
Year 2007 2008 2009 2010 2011 2012 2013	Children 1,197 1,242 1,253 1,286 1,380 1,406	Number 334 303 323 277 266 243	Percent 27.9 24.4 25.8 21.5 19.3 17.3	Number 21 11 11 11 7 7	Percent 6.3 3.6 3.4 4.0 2.6 2.9	Number 6	2 1.
Year 2007 2008 2009 2010 2011 2012	Children 1,197 1,242 1,253 1,286 1,380 1,406 1,430	Number 334 303 323 277 266 243 262	Percent 27.9 24.4 25.8 21.5 19.3 17.3 18.3	Number 21 11 11 11 7 7 4	Percent 6.3 3.6 3.4 4.0 2.6 2.9 1.5	Number 6 3	2 1.

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

**Montgomery County** 

	Donulation			Bloc	od Lead Lev	vel ≥10 μg/o	dL
Calendar	Population of	Children	Tested	Prevalence	e Cases	Incidenc	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percent
2007	79,264	18,274	23.1	35	0.2	31	0.2
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
	Population			Blo	od Lead Le	vel 5-9 μg/d	IL
Calendar	Population of	Children	n Tested	Blo Prevalence		vel 5-9 μg/d Incidence	
Calendar Year		Children Number	n Tested Percent				
	of			Prevalence	e Cases	Incidenc	e Cases
Year	of Children	Number	Percent	Prevalence Number	e Cases Percent	Incidenc	e Cases
Year 2007	of Children 79,264	Number 18,274	Percent 23.1	Prevalence Number 434	e Cases Percent 2.4	Incidenc	e Cases
Year 2007 2008	of Children 79,264 80,262	Number 18,274 18,587	Percent 23.1 23.2	Number 434 260	Percent 2.4 1.4	Incidenc	e Cases
Year 2007 2008 2009	of Children 79,264 80,262 80,950	Number 18,274 18,587 18,200	Percent 23.1 23.2 22.5	Prevalence Number 434 260 248	Percent 2.4 1.4 1.4	Incidenc	e Cases
Year 2007 2008 2009 2010	of Children 79,264 80,262 80,950 83,089	Number 18,274 18,587 18,200 20,961	Percent 23.1 23.2 22.5 25.2	Prevalence Number 434 260 248 242	Percent 2.4 1.4 1.4 1.2	Incidenc	e Cases
Year 2007 2008 2009 2010 2011	of Children 79,264 80,262 80,950 83,089 87,595	Number 18,274 18,587 18,200 20,961 19,843	Percent 23.1 23.2 22.5 25.2 22.7	Prevalence Number 434 260 248 242 162	Percent 2.4 1.4 1.4 1.2 0.8	Incidenc Number	Percent
Year 2007 2008 2009 2010 2011 2012	of Children 79,264 80,262 80,950 83,089 87,595 89,202	Number 18,274 18,587 18,200 20,961 19,843 20,515	Percent 23.1 23.2 22.5 25.2 22.7 23.0	Prevalence Number  434  260  248  242  162  169	Percent 2.4 1.4 1.4 1.2 0.8 0.8	Incidence Number	Percent  O.7  0.8
Year 2007 2008 2009 2010 2011 2012 2013	of Children 79,264 80,262 80,950 83,089 87,595 89,202 90,774	Number 18,274 18,587 18,200 20,961 19,843 20,515 20,308	Percent 23.1 23.2 22.5 25.2 22.7 23.0 22.4	Prevalence Number 434 260 248 242 162 169 175	Percent 2.4 1.4 1.4 1.2 0.8 0.8	Incidence Number	Percent  O.7  0.8
Year 2007 2008 2009 2010 2011 2012 2013 2014	of Children 79,264 80,262 80,950 83,089 87,595 89,202 90,774 92,252	Number 18,274 18,587 18,200 20,961 19,843 20,515 20,308 19,308	Percent 23.1 23.2 22.5 25.2 22.7 23.0 22.4 20.9	Prevalence Number  434  260  248  242  162  169  175  133	Percent 2.4 1.4 1.4 1.2 0.8 0.8 0.9	Incidence Number 151 159 120	Percent  0.7  0.8  0.6

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

Prince George's County

			rinice Geo.	ige's Count	y			
	Population			Blood Lead Level ≥10 μg/dL				
Calendar	ropulation of	Children	n Tested	Prevalenc	Prevalence Cases		Incidence Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	76,826	18,071	23.5	38	0.2	35	0.2	
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	
	Population			Blo	ood Lead Le	vel 5-9 μg/α	lL	
Calendar	of	Children	n Tested	Prevalenc	e Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	76,826	18,071	23.5	648	3.6			
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	

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 µg/dL and blood lead level 5-9 µg/dL by county of residence

Queen Anne's County

	Population			Blo	od Lead Lev	vel ≥10 μg/d	IL .
Calendar	of	Children	Tested	Prevalenc	e Cases	Incidence	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percen
2007	3,462	703	20.3	4	0.6	2	0
2008	3,583	594	16.6	1	0.2	1	0.
2009	3,614	607	16.8	4	0.7	4	0.
2010	3,709	573	15.4	4	0.7	2	0
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.:
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
	Population			Blo	od Lead Le	vel 5-9 μg/d	L
	ropulation						
Calendar	_	Children	Tested	Prevalenc	e Cases	Incidence	e Cases
Calendar Year	of Children	Children Number	Tested Percent	Prevalenc Number	e Cases Percent	Incidence Number	
	of						
Year	of Children	Number	Percent	Number	Percent		
Year 2007	of Children 3,462	Number 703	Percent 20.3	Number 52	Percent 7.4		e Cases Percen
Year 2007 2008	of Children 3,462 3,583	Number 703 594	Percent 20.3 16.6	Number 52 13	Percent 7.4 2.2		
Year 2007 2008 2009 2010	of Children 3,462 3,583 3,614	Number 703 594 607	Percent 20.3 16.6 16.8	Number 52 13 17	Percent 7.4 2.2 2.8		
Year 2007 2008 2009 2010 2011	of Children 3,462 3,583 3,614 3,709	Number 703 594 607 573	Percent 20.3 16.6 16.8 15.4	Number 52 13 17 11	Percent 7.4 2.2 2.8 1.9		Percen
Year 2007 2008 2009 2010 2011 2012	of Children 3,462 3,583 3,614 3,709 3,798	Number 703 594 607 573 475	Percent 20.3 16.6 16.8 15.4 12.5	Number 52 13 17 11 7	Percent 7.4 2.2 2.8 1.9 1.5	Number	Percer.
Year 2007 2008 2009 2010	of Children 3,462 3,583 3,614 3,709 3,798 3,868	Number 703 594 607 573 475 494	Percent 20.3 16.6 16.8 15.4 12.5 12.8	Number 52 13 17 11 7 13	Percent 7.4 2.2 2.8 1.9 1.5 2.6	Number 13	
Year 2007 2008 2009 2010 2011 2012 2013	of Children 3,462 3,583 3,614 3,709 3,798 3,868 3,936	Number 703 594 607 573 475 494 444	Percent 20.3 16.6 16.8 15.4 12.5 12.8 11.3	Number 52 13 17 11 7 13 5	Percent 7.4 2.2 2.8 1.9 1.5 2.6 1.1	Number  13 3	2.: 0.'

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

Saint Mary's County

			Saint Mai	y's County			
	Population			Blood Lead Level ≥10 μg/dL			
Calendar	of	Children	Tested	Prevalenc	ce Cases	Incidence	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percent
2007	8,375	1,468	17.5	2	0.1	1	0.1
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
	Population			Blo	ood Lead Le	vel 5-9 μg/c	lL
Calendar	of	Children	Tested	Prevalenc	ce Cases	Incidenc	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percent
2007	8,375	1,468	17.5	72	4.9		
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

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

### **Somerset County**

				D1-	- 1 T 1 T	1 > 10 / :	11	
	Population	C1 11 1		Blood Lead Level ≥10 μg/dL  Prevalence Cases Incidence Cases				
Calendar	of	Children Tested				Incidence Cases		
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	1,577	529	33.5	2	0.4	2	0.4	
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	
ļ								
	Population			Blo	ood Lead Le	vel 5-9 μg/d	L	
Calendar	Population of	Children	ı Tested	Blo		vel 5-9 μg/d Incidenc		
Calendar Year	Population of Children	Children Number	a Tested Percent					
	of			Prevalenc	ce Cases	Incidenc	e Cases	
Year	of Children	Number	Percent	Prevalenc Number	ee Cases Percent	Incidenc	e Cases	
Year 2007	of Children	Number 529	Percent 33.5	Prevalenc Number 48	Percent 9.1	Incidenc	e Cases	
Year 2007 2008	of Children 1,577 1,521	Number 529 522	Percent 33.5 34.3	Prevalence Number 48 30	Percent 9.1 5.7	Incidenc	e Cases	
Year 2007 2008 2009	of Children 1,577 1,521 1,533	Number 529 522 497	Percent 33.5 34.3 32.4	Prevalence Number 48 30 17	Percent 9.1 5.7 3.4	Incidenc	e Cases	
Year 2007 2008 2009 2010	of Children 1,577 1,521 1,533 1,575	Number 529 522 497 517	Percent 33.5 34.3 32.4 32.8	Prevalence Number 48 30 17 16	Per Cases  Percent  9.1  5.7  3.4  3.1	Incidenc	e Cases	
Year 2007 2008 2009 2010 2011	of Children 1,577 1,521 1,533 1,575 1,742	Number 529 522 497 517 549	Percent 33.5 34.3 32.4 32.8 31.5	Prevalence Number 48 30 17 16 10	Percent 9.1 5.7 3.4 3.1 1.8	Incidenc Number	e Cases Percent	
Year 2007 2008 2009 2010 2011 2012	of Children 1,577 1,521 1,533 1,575 1,742 1,774 1,805	Number 529 522 497 517 549 608	Percent 33.5 34.3 32.4 32.8 31.5 34.3	Prevalence Number  48  30  17  16  10  18	Per Cases  Percent  9.1  5.7  3.4  3.1  1.8  3.0	Incidenc Number	Percent  2.1	
Year 2007 2008 2009 2010 2011 2012 2013	of Children 1,577 1,521 1,533 1,575 1,742 1,774	Number 529 522 497 517 549 608 564	Percent 33.5 34.3 32.4 32.8 31.5 34.3 31.2	Prevalence Number  48  30  17  16  10  18  4	Percent 9.1 5.7 3.4 3.1 1.8 3.0 0.7	Incidenc Number	2.1 0.5 1.5	
Year 2007 2008 2009 2010 2011 2012 2013 2014	of Children 1,577 1,521 1,533 1,575 1,742 1,774 1,805 1,834	Number 529 522 497 517 549 608 564 526	Percent 33.5 34.3 32.4 32.8 31.5 34.3 31.2 28.7	Prevalence Number  48  30  17  16  10  18  4	Per Cases  Percent  9.1  5.7  3.4  3.1  1.8  3.0  0.7  1.7	Incidenc Number	Percent  2.1 0.5	

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

Talbot County

	Population			Blo	od Lead Lev	vel ≥10 μg/o	dL
Calendar	of	Children	Tested	Prevalenc	e Cases	Incidenc	e Cases
Year	Children	Number	Percent	Number	Percent	Number	Percent
2007	2,351	702	29.9	4	0.6	3	0.4
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
	<del>,</del>						
				D1-	. 11 11	1 5 0 /:	17
	Population			BIO	od Lead Le	vei 5-9 μg/c	IL .
Calendar	Population of	Children	Tested	Prevalenc		Incidenc	
Calendar Year		Children Number	Tested Percent				
	of			Prevalenc	e Cases	Incidenc	e Cases
Year	of Children	Number	Percent	Prevalenc Number	ee Cases Percent	Incidenc	e Cases
Year 2007	of Children 2,351	Number 702	Percent 29.9	Prevalenc Number 46	Percent 6.6	Incidenc	e Cases
Year 2007 2008	of Children 2,351 2,399	Number 702 612	Percent 29.9 25.5	Prevalenc Number 46 26	Percent 6.6 4.2	Incidenc	e Cases
Year 2007 2008 2009	of Children 2,351 2,399 2,417	Number 702 612 675	Percent 29.9 25.5 27.9	Prevalenc Number 46 26 21	Percent 6.6 4.2 3.1	Incidenc	e Cases
Year 2007 2008 2009 2010	of Children 2,351 2,399 2,417 2,482	Number 702 612 675 692	Percent 29.9 25.5 27.9 27.9	Prevalence Number 46 26 21 20	Per Cases  Percent  6.6  4.2  3.1  2.9	Incidenc	e Cases
Year 2007 2008 2009 2010 2011	of Children 2,351 2,399 2,417 2,482 2,600	Number 702 612 675 692 655	Percent 29.9 25.5 27.9 27.9 25.2	Prevalence Number 46 26 21 20 14	Percent 6.6 4.2 3.1 2.9 2.1	Incidenc Number	Percent
Year 2007 2008 2009 2010 2011 2012	of Children 2,351 2,399 2,417 2,482 2,600 2,648	Number 702 612 675 692 655 606	Percent 29.9 25.5 27.9 27.9 25.2 22.9	Prevalence Number 46 26 21 20 14 8	Per Cases Percent 6.6 4.2 3.1 2.9 2.1 1.3	Incidence Number 6 9	Percent
Year 2007 2008 2009 2010 2011 2012 2013	of Children 2,351 2,399 2,417 2,482 2,600 2,648 2,695	Number 702 612 675 692 655 606 667	Percent 29.9 25.5 27.9 27.9 25.2 22.9 24.8	Prevalenc Number 46 26 21 20 14 8 10	Per Cases Percent 6.6 4.2 3.1 2.9 2.1 1.3 1.5	Incidence Number	Percent  1.0 1.3
Year 2007 2008 2009 2010 2011 2012 2013 2014	of Children 2,351 2,399 2,417 2,482 2,600 2,648 2,695 2,739	Number 702 612 675 692 655 606 667 584	Percent 29.9 25.5 27.9 27.9 25.2 22.9 24.8 21.3	Prevalence Number  46 26 21 20 14 8 10 8	Per Cases Percent 6.6 4.2 3.1 2.9 2.1 1.3 1.5 1.4	Incidence Number 6 9	Percent  1.0  1.3  0.9

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

**Washington County** 

			vv asimigi	on County				
	Population			Blood Lead Level ≥10 μg/dL				
Calendar	of	Children	n Tested	Prevalenc	Prevalence Cases		Incidence Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	10,709	3,064	28.6	8	0.3	6	0.2	
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	
	Population		_	Blo	ood Lead Le	vel 5-9 μg/c	iL	
Calendar	of	Children	n Tested	Prevalenc	e Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	10,709	3,064	28.6	291	9.5			
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	

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

## Wicomico County

			** 10011110	co County				
	Population			Blood Lead Level ≥10 μg/dL				
Calendar	of	Children Tested		Prevalenc	Prevalence Cases		Incidence Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	7,031	2,975	42.3	23	0.8	14	0.5	
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	
	Population			Ble	ood Lead Le	vel 5-9 μg/c	lL	
Calendar	of	Children	n Tested	Prevalenc	ce Cases	Incidenc	e Cases	
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	7,031	2,975	42.3	246	8.3			
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	

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

## Worcester County

lence Cases           per         Percent           5         0.5           3         0.3           1         0.1           2         0.2           2         0.2           2         0.2           2         0.2
5 0.5 3 0.3 1 0.1 2 0.2 2 0.2
3 0.3 1 0.1 2 0.2 2 0.2
1 0.1 2 0.2 2 0.2
2 0.2 2 0.2
2 0.2
2 0.2
3 0.4
0.0
0.0
2 0.2
ug/dL
lence Cases
per Percent
6 0.7
10 1.2
9 1.2
6 0.8
21 2.5

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  $\geq 10~\mu g/dL$  and blood lead level 5-9  $\mu g/dL$  by county of residence

## County Unknown

	Population			Blood Lead Level ≥10 μg/dL				
Calendar	of	Children Tested		Prevalence Cases		Incidence Cases		
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007		278		1		1		
2008		69		0		0		
2009		5		0		0		
2010		477		0		0		
2011		4		0		0		
2012		75		3		2		
2013		8		1		1		
2014								
2015								
2016								
	Population			Blood Lead Level 5-9 μg/dL				
Calendar	of	Children Tested		Prevalence Cases		Incidence Cases		
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007		278		30				
2008		69		5				
2009		5		0				
2010		477		23				
2011		4		0				
2012		75		3		3		
2013		8		1		1		
2014								
2015								
2016								
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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 µg/dL
and blood lead level 5-9 µg/dL by county of residence

### Statewide

	Donulation			Blood Lead Level ≥10 μg/dL				
Calendar	Population of	Children Tested		Prevalence Cases		Incidence Cases		
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	468,390	105,708	22.6	892	0.8	654	0.6	
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	
	Donulation	Population of Children Tested		Blood Lead Level 5-9 μg/dL				
Calendar	•			Prevalence Cases		Incidence Cases		
Year	Children	Number	Percent	Number	Percent	Number	Percent	
2007	468,390	105,708	22.6	6,968	6.6			
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	1729	1.5	1,316	1.1	

#### Terms and definitions

- 1. The 2007-2010 populations are adapted from US Census Bureau: "State Interim Population Projection by Age and Sex: 2000-2030". Populations for 2011-2016 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  $\mu$ g/dL as "Reference Value". To accommodate this revision, from 2012 forward the prevalence and incidence of blood lead level 5-9  $\mu$ g/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.