Biomonitoring

Lead

Table B1: Lead in children ages 1 to 5 years: Median and 95th percentile concentrations in blood, 1976-2014

	Blood lead concentration (µg/dL)										
	1976-1980	1988-1991	1991-1994	1999-2000	2001-2002	2003-2004	2005-2006	2007-2008	2009-2010	2011-2012	2013-2014
Median	15.0	3.5	2.6	2.2	1.6	1.6	1.4	1.4	1.2	1.0	0.7
95th percentile	29.0	12.1	9.7	7.0	5.8	5.1	3.8	4.1	3.4	2.9	2.2

DATA: Centers for Disease Control and Prevention, National Center for Health Statistics and National Center for Environmental Health, National Health and Nutrition Examination Survey

Table B1a: Lead in children ages 1 to 17 years: Blood lead concentrations by age group, 2013-2014

	Blood lead concentration (µg/dL)						
	All ages	Age 1 year	Age 2 years	Ages 3 to 5 years	Ages 6 to 10 years	Ages 11 to 15 years	Ages 16 to 17 years
Median	0.5	0.7	0.8	0.7	0.5	0.5	0.4
95th percentile	1.6	2.4	2.5*	1.8	1.5	1.4	NA**

DATA: Centers for Disease Control and Prevention, National Center for Health Statistics and National Center for Environmental Health, National Health and Nutrition Examination Survey

*The estimate should be interpreted with caution because the standard error of the estimate is relatively large: the relative standard error, RSE, is at least 30% but is less than 40% (RSE = standard error divided by the estimate), or the RSE may be underestimated.

**Not available. The estimate is not reported because it has large uncertainty: the relative standard error, RSE, is at least 40% (RSE = standard error divided by the estimate), or the RSE cannot be reliably estimated.

Table B2. Lead in children ages 1 to 5 years: Median concentrations in blood, by race/ethnicity and family income, 2011-2014

	Median blood lead concentration (µg/dL)		
Race / Ethnicity	All Incomes‡ (n=1,531)	< Poverty Level (n=608)	≥ Poverty Level (n=821)
All Races/Ethnicities (n=1,531)	0.8	1.0	0.7
White Non-Hispanic (n=337)	0.8	0.9*	0.7
Black Non-Hispanic (n=420)	1.1	1.2	1.0
Mexican-American (n=351)	0.8	0.9	0.7
All Other Races/Ethnicities† (n=423)	0.8	1.0	0.7

DATA: Centers for Disease Control and Prevention, National Center for Health Statistics and National Center for Environmental Health, National Health and Nutrition Examination Survey

† The "All Other Races/Ethnicities" category includes all other races or ethnicities not specified, together with those individuals who report more than one race.

‡ Includes sampled individuals for whom income information is missing.

*The estimate should be interpreted with caution because the standard error of the estimate is relatively large: the relative standard error, RSE, is at least 30% but is less than 40% (RSE = standard error divided by the estimate), or the RSE may be underestimated.

Table B2a. Lead in children ages 1 to 5 years: 95th percentile concentrations in blood, by race/ethnicity and family income, 2011-2014

Race / Ethnicity	95th Percentile blood lead concentration (μg/dL)		
	All Incomes‡ (n=1,531)	< Poverty Level (n=608)	≥ Poverty Level (n=821)
All Races/Ethnicities (n=1,531)	2.6	3.4	2.0
White non-Hispanic (n=337)	2.7	NA**	2.0
Black non-Hispanic (n=420)	3.6	4.2	2.5
Mexican-American (n=351)	2.3	2.5	1.8
All Other Races/Ethnicities† (n=423)	2.6	3.4	1.9

DATA: Centers for Disease Control and Prevention, National Center for Health Statistics and National Center for Environmental Health, National Health and Nutrition Examination Survey

† The "All Other Races/Ethnicities" category includes all other races or ethnicities not specified, together with those individuals who report more than one race.

‡ Includes sampled individuals for whom income information is missing.

**Not available. The estimate is not reported because it has large uncertainty: the relative standard error, RSE, is at least 40% (RSE = standard error divided by the estimate), or the RSE cannot be reliably estimated.

Table B2b. Lead in children ages 1 to 5 years: Median concentrations in blood, by race/ethnicity and family income, 1991-1994

Race / Ethnicity	Median blood lead concentration (μg/dL)		
	All Incomes‡ (n=2,367)	< Poverty Level (n=974)	≥ Poverty Level (n=1,253)
All Races/Ethnicities (n=2,367)	2.6	4.0	2.2
White Non-Hispanic (n=623)	2.3	3.2*	2.1
Black Non-Hispanic (n=773)	4.3	5.1	3.5
Mexican-American (n=822)	3.1	3.7	2.6
All Other Races/Ethnicities† (n=149)	2.5	NA**	2.0*

DATA: Centers for Disease Control and Prevention, National Center for Health Statistics and National Center for Environmental Health, National Health and Nutrition Examination Survey

† The "All Other Races/Ethnicities" category includes all other races or ethnicities not specified, together with those individuals who report more than one race.

‡ Includes sampled individuals for whom income information is missing.

*The estimate should be interpreted with caution because the standard error of the estimate is relatively large: the relative standard error, RSE, is at least 30% but is less than 40% (RSE = standard error divided by the estimate), or the RSE may be underestimated.

** Not available. The estimate is not reported because it has large uncertainty: the relative standard error, RSE, is 40% or greater (RSE = standard error divided by the estimate), or the RSE cannot be reliably estimated.