

Biomonitoring

Mercury

Table B3: Mercury in women ages 16 to 49 years: Median and 95th percentile concentrations in blood, 1999-2014

	Concentration of mercury in blood (µg/L)							
	1999-2000	2001-2002	2003-2004	2005-2006	2007-2008	2009-2010	2011-2012	2013-2014
Median	0.9	0.7	0.8	0.8	0.7	0.8	0.6	0.6
95th percentile	7.4	3.7	4.5	4.0	3.7	4.2	3.7	3.7

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

NOTE: To reflect exposures to women who are pregnant or may become pregnant, the estimates are adjusted for the probability (by age and race/ethnicity) that a woman gives birth. The intent of this adjustment is to approximate the distribution of exposure to pregnant women. Results will therefore differ from a characterization of exposure to adult women without consideration of birth rates.

Table B3a. Mercury in women ages 16 to 49 years: Median concentrations in blood, by race/ethnicity and family income, 2011-2014

Race / Ethnicity	Median concentration of mercury in blood (µg/L)		
	All Incomes‡ (n=2,494)	< Poverty Level (n=699)	≥ Poverty Level (n=1,620)
All Races/Ethnicities (n=2,494)	0.6	0.5	0.6
White non-Hispanic (n=844)	0.5	0.4	0.6
Black non-Hispanic (n=585)	0.6	0.6	0.6
Mexican-American (n=367)	0.5	0.5	0.5
All Other Races/Ethnicities† (n=698)	0.9	0.7	1.0

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

NOTE: To reflect exposures to women who are pregnant or may become pregnant, the estimates are adjusted for the probability (by age and race/ethnicity) that a woman gives birth. The intent of this adjustment is to approximate the distribution of exposure to pregnant women. Results will therefore differ from a characterization of exposure to adult women without consideration of birth rates.

† 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.

Table B3b. Mercury in women ages 16 to 49 years: 95th percentile concentrations in blood, by race/ethnicity and family income, 2011-2014

Race / Ethnicity	95 th Percentile concentration of mercury in blood (µg/L)		
	All Incomes [‡] (n=2,494)	< Poverty Level (n=699)	≥ Poverty Level (n=1,620)
All Races/Ethnicities (n=2,494)	3.7	2.1	4.2
White non-Hispanic (n=844)	4.1	1.5*	4.2
Black non-Hispanic (n=585)	2.7	2.1	3.3
Mexican-American (n=367)	1.7	1.7	1.8
All Other Races/Ethnicities[†] (n=698)	5.7	3.2	6.2

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

NOTE: To reflect exposures to women who are pregnant or may become pregnant, the estimates are adjusted for the probability (by age and race/ethnicity) that a woman gives birth. The intent of this adjustment is to approximate the distribution of exposure to pregnant women. Results will therefore differ from a characterization of exposure to adult women without consideration of birth rates.

† 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 B3c: Mercury in children ages 1 to 5 years: Median and 95th percentile concentrations in blood, 1999-2014

	Concentration of mercury in blood (µg/L)							
	1999- 2000	2001- 2002	2003- 2004	2005- 2006	2007- 2008	2009- 2010	2011- 2012	2013- 2014
Median	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2
95th percentile	2.3	1.9	1.8	1.4	1.3	1.3	1.0	1.2

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 B3d: Mercury in children ages 1 to 17 years: Median and 95th percentile concentrations in blood, by age group, 2011-2014

	Concentration of mercury in blood (µg/L)						
	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	0.3	0.2	0.2	0.2	0.3	0.3	0.4
95th percentile	1.7	1.0	1.0	1.1	1.6	1.9	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