

Biomonitoring

Mercury

Table B3: Mercury in women ages 16 to 49 years: Median and 95th percentile concentrations in blood, 1999-2012

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

Race / Ethnicity	Median concentration of mercury in blood (µg/L)		
	All Incomes‡ (n=3,468)	< Poverty Level (n=972)	≥ Poverty Level (n=2,224)
All Races/Ethnicities (n=3,468)	0.7	0.6	0.7
White non-Hispanic (n=1,306)	0.6	0.4	0.7
Black non-Hispanic (n=764)	0.8	0.7	0.8
Mexican-American (n=583)	0.6	0.6	0.6
All Other Races/Ethnicities† (n=815)	1.1	0.8	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

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, 2009-2012

Race / Ethnicity	95 th Percentile concentration of mercury in blood (µg/L)		
	All Incomes‡ (n=3,468)	< Poverty Level (n=972)	≥ Poverty Level (n=2,224)
All Races/Ethnicities (n=3,468)	4.0	2.7	4.1
White non-Hispanic (n=1,306)	3.6	2.1	3.8
Black non-Hispanic (n=764)	3.3	2.4	4.1
Mexican-American (n=583)	1.9	1.8	2.0
All Other Races/Ethnicities† (n=815)	5.8	NA**	5.6

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.

** 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.

Table B3c: Mercury in children ages 1 to 5 years: Median and 95th percentile concentrations in blood, 1999-2012

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

Table B3d: Mercury in children ages 1 to 17 years: Median and 95th percentile concentrations in blood, by age group, 2009-2012

	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	0.3	0.3	0.4	0.4
95th percentile	1.9	1.0	1.0	1.2	1.6	2.5	2.8

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