

Biomonitoring

Mercury

Table B3: Mercury in women ages 16 to 49 years: Median and 95th percentile concentrations in blood, 1999-2010

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

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.

Table B3a. Mercury in women ages 16 to 49 years: Median concentrations in blood, by race/ethnicity and family income, 2007-2010

Race / Ethnicity	Median concentration of mercury in blood (µg/L)		
	All Incomes‡ (n=3,456)	< Poverty Level (n=915)	≥ Poverty Level (n=2,261)
All Races/Ethnicities (n=3,456)	0.7	0.6	0.8
White non-Hispanic (n=1,430)	0.7	0.5	0.7
Black non-Hispanic (n=665)	0.8	0.8	0.9
Mexican-American (n=722)	0.6	0.6	0.7
All Other Races/Ethnicities† (n=639)	1.3	0.8	1.5

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, 2007-2010

Race / Ethnicity	95 th percentile concentration of mercury in blood (µg/L)		
	All Incomes‡ (n=3,456)	< Poverty Level (n=915)	≥ Poverty Level (n=2,261)
All Races/Ethnicities (n=3,456)	3.9	2.9	4.0
White non-Hispanic (n=1,430)	3.7	2.9	3.7
Black non-Hispanic (n=665)	2.9	2.3	3.3
Mexican-American (n=722)	2.3	1.9	2.4
All Other Races/Ethnicities† (n=639)	6.7	NA**	6.5

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, 1999-2010

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

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, 2007-2010

	Concentration of mercury in blood (µg/L)						
	Ages 1 to 17 years	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	0.4	0.2	0.2	0.2	0.4	0.4	0.5
95th percentile	1.9	1.2	1.3	1.4	1.7	2.2	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