Table 62
Distribution of cadmium (nmol/L) measured in whole blood for the household population (non-smokers), by age and sex, Canada, 2009 to 2011

	Cadmium											
	Geometric Mean			5th percentile			10th percentile			25th percentile		
	Estimate	Confidence interval		Estimate	Confidence interval		Estimate	Confidence interval		Estimate	Confidence interval	
		From	To		From	To		From	To		From	To
	nmol/L											
Both sexes												
Age 3 to 5	0.7	0.6	0.8	.	.	.	.	.	.	0.5	0.4	0.6
Age 6 to 11	0.8	0.7	0.8	.	.	.	.	.	.	0.6	0.5	0.6
Age 12 to 19	1	0.9	1	.	.	.	0.5	0.3	0.7	0.8	0.7	0.8
Age 20 to 39	1.6	1	2.0	0.5 [E]	0.2	0.7	0.7 [E]	0.4	1	0.9	0.9	1
Age 40 to 59	2.4	2.2	2.7	0.8	0.6	1	0.9	0.9	1	1.6	1	1.9
Age 60 to 79	3.2	3.0	3.5	0.9	0.9	1	1.5 [E]	0.9	2.1	2.1	2.0	2.3
Age 3 to 79	**1.8**	**1.6**	**2.0**	**0.5** [E]	**0.3**	**0.6**	**0.7**	**0.6**	**0.8**	**0.9**	**0.9**	**1**
Age 6 to 79	**1.9**	**1.7**	**2.1**	**0.5**	**0.3**	**0.6**	**0.7**	**0.6**	**0.8**	**1**	**0.9**	**1**
Males												
Age 6 to 11	0.8	0.7	0.9	.	.	.	.	.	.	0.6	0.5	0.6
Age 12 to 19	1	0.9	1	.	.	.	0.5 [E]	0.3	0.7	0.8	0.7	0.8
Age 20 to 39	1	1	1.6	0.5 [E]	0.2	0.7	0.6	0.4	0.9	0.9	0.8	1
Age 40 to 59	2.0	1.7	2.3	0.7 [E]	0.4	1	0.9	0.8	1	1 [E]	0.6	1
Age 60 to 79	2.9	2.6	3.2	0.9	0.7	1	1 [E]	0.5	1.5	1.9	1.7	2.1
Age 3 to 79	**1.6**	**1**	**1.7**	**0.4** [E]	**0.3**	**0.6**	**0.6**	**0.5**	**0.7**	**0.9**	**0.9**	**0.9**
Age 6 to 79	**1.6**	**1.5**	**1.8**	**0.5**	**0.3**	**0.6**	**0.7**	**0.6**	**0.8**	**0.9**	**0.9**	**0.9**
Females												
Age 6 to 11	0.8	0.7	0.9	.	.	.	.	.	.	0.6	0.5	0.7
Age 12 to 19	1	0.9	1	.	.	.	0.5 [E]	0.3	0.7	0.8	0.6	0.9
Age 20 to 39	2.0	1.5	2.6	F	.	.	0.9 [E]	0.5	1	1 [E]	0.5	1.5
Age 40 to 59	2.9	2.6	3.3	0.9	0.7	1	1 [E]	0.5	1	2.0	1.7	2.3
Age 60 to 79	3.5	3.2	3.9	1 [E]	0.6	1	1.7	1	2.3	2.3	2.1	2.5
Age 3 to 79	**2.1**	**1.9**	**2.4**	**0.5** [E]	**0.3**	**0.6**	**0.7**	**0.6**	**0.9**	**1**	**0.9**	**1**
Age 6 to 79	**2.2**	**1.9**	**2.5**	**0.5** [E]	**0.3**	**0.7**	**0.8**	**0.7**	**0.9**	**1**	**0.8**	**1**

	Cadmium											
	50th percentile			75th percentile			90th percentile			95th percentile		
	Estimate	Confidence interval		Estimate	Confidence interval		Estimate	Confidence interval		Estimate	Confidence interval	
		From	To		From	To		From	To		From	To
	nmol/L											
Both sexes												
Age 3 to 5	0.7	0.6	0.8	0.9	0.9	1	1	1	1	1 [E]	0.3	1.7
Age 6 to 11	0.8	0.8	0.9	1	0.9	1	1.5 [E]	0.9	2.1	1.8	1.6	2.1
Age 12 to 19	0.9	0.9	1	1.5 [E]	0.9	2.1	2.1	1.8	2.3	3.0	2.5	3.6
Age 20 to 39	1.6	1	2.1	2.6	2.1	3.0	3.8	3.0	4.7	6.3 [E]	2.6	9.9
Age 40 to 59	2.6	2.3	2.9	3.6	3.3	4.0	5.6	4.9	6.4	7.5	5.0	9.9
Age 60 to 79	3.1	2.9	3.4	4.7	4.2	5.2	7.2	6.4	8.0	9.9	8.2	12
Age 3 to 79	**1.9**	**1.7**	**2.1**	**3.1**	**2.9**	**3.4**	**5.1**	**4.4**	**5.9**	**7.1**	**5.7**	**8.5**
Age 6 to 79	**2.0**	**1.8**	**2.2**	**3.2**	**2.9**	**3.5**	**5.2**	**4.5**	**6.0**	**7.2**	**5.8**	**8.6**
Males												
Age 6 to 11	0.8	0.7	0.9	1	0.9	1	1.6 [E]	1	2.2	1.9	1	2.3
Age 12 to 19	0.9	0.9	1	1 [E]	0.6	1.7	1.9	1.7	2.2	2.9 [E]	1.6	4.3
Age 20 to 39	1	0.7	1	2.1	1.7	2.5	2.8	2.2	3.3	3.5	2.4	4.5
Age 40 to 59	2.1	1.8	2.5	2.9	2.6	3.2	5.0	3.4	6.5	6.4	4.3	8.5
Age 60 to 79	2.8	2.6	3.1	4.5	4.0	5.0	6.6	5.8	7.4	8.1	6.1	10
Age 3 to 79	**1.6**	**1**	**1.9**	**2.7**	**2.4**	**2.9**	**4.2**	**3.5**	**5.0**	**6.1**	**5.1**	**7.1**
Age 6 to 79	**1.6**	**1**	**1.8**	**2.7**	**2.5**	**3.0**	**4.4**	**3.6**	**5.2**	**6.2**	**5.1**	**7.2**
Females												
Age 6 to 11	0.8	0.7	0.9	1	0.9	1	1 [E]	0.6	1.7	1.8	1.5	2.1
Age 12 to 19	0.9	0.9	1	1.5	1	1.9	2.3	1.9	2.8	3.1	2.6	3.6
Age 20 to 39	2.0	1.5	2.4	3.2	2.5	3.9	5.0 [E]	1.5	8.6	8.8 [E]	3.9	14
Age 40 to 59	2.9	2.6	3.3	4.2	3.7	4.6	5.9	4.5	7.4	8.6 [E]	3.7	13
Age 60 to 79	3.5	3.1	3.8	4.9	4.2	5.5	8.0	6.7	9.2	10	8.9	12
Age 3 to 79	**2.3**	**1.9**	**2.6**	**3.7**	**3.4**	**3.9**	**5.7**	**4.6**	**6.8**	**8.7**	**6.8**	**11**
Age 6 to 79	**2.3**	**2.0**	**2.6**	**3.7**	**3.5**	**4.0**	**5.7**	**4.6**	**6.9**	**8.8**	**7.0**	**11**

Note(s): Total household population aged 3 to 79 having a cotinine level below 50.0 ng/ml, except those meeting the exclusion criteria (see the *Canadian Health Measures Survey (CHMS) Data User Guide: Cycle 2*). The sample size for 3 to 5 year olds produces reliable national estimates for both sexes combined only. Results are substituted by the lower limit of detection divided by 2 in cases where the result is below the lower limit of detection.

Source(s): Canadian Health Measures Survey, Cycle 2.