Table 62
Distribution of the household population by the concentration of whole blood mercury in nanomoles per litre, by age and sex, Canada, 2007 to 2009

	Concentration of whole blood mercury											
	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
	nanomoles per litre											
Both sexes												
Age 6 to 11	1.33	1.11	1.61	L	…	…	L	…	…	L	…	…
Age 12 to 19	1.53	1.17	2.01	L	…	…	L	…	…	0.67	0.45	0.88
Age 20 to 39	3.26	2.60	4.09	L	…	…	0.60	0.42	0.78	1.50	1.22	1.79
Age 40 to 59	5.07	4.04	6.36	0.67 E	0.35	0.98	1.33	0.93	1.74	2.78	2.09	3.47
Age 60 to 79	4.34	3.27	5.76	0.51 E	0.19	0.82	0.86 E	0.41	1.31	2.34	1.63	3.06
Age 6 to 79	**3.46**	**2.79**	**4.29**	**L**			**0.60**	**0.47**	**0.72**	**1.62**	**1.30**	**1.94**
Males												
Age 6 to 11	1.22	0.95	1.56	L	…	…	L	…	…	L	…	…
Age 12 to 19	1.42 E	1.00	2.03	L	…	…	L	…	…	0.58 E	0.33	0.83
Age 20 to 39	3.08	2.37	4.00	L	…	…	L	…	…	1.36	0.94	1.79
Age 40 to 59	5.18	4.08	6.57	0.66 E	0.23	1.10	1.38	0.93	1.83	2.94	2.17	3.72
Age 60 to 79	4.87	3.62	6.55	0.72 E	0.44	0.99	1.03 E	0.51	1.55	2.57	1.83	3.31
Age 6 to 79	**3.41**	**2.75**	**4.22**	**L**	**…**	**…**	**0.52**	**0.33**	**0.70**	**1.58**	**1.23**	**1.93**
Females												
Age 6 to 11	1.47	1.24	1.74	L	…	…	L	…	…	0.57	0.39	0.75
Age 12 to 19	1.66	1.32	2.07	L	…	…	L	…	…	0.75 E	0.46	1.04
Age 20 to 39	3.47	2.62	4.60	L	…	…	0.81	0.52	1.11	1.63	1.17	2.09
Age 40 to 59	4.96	3.86	6.37	0.67 E	0.32	1.03	1.18 E	0.67	1.68	2.63	1.82	3.44
Age 60 to 79	3.92	2.94	5.21	L	…	…	0.67 E	0.27	1.07	1.97 E	1.04	2.91
Age 6 to 79	**3.51**	**2.80**	**4.42**	**L**	**…**	**…**	**0.66**	**0.50**	**0.82**	**1.64**	**1.27**	**2.00**

	Concentration of whole blood mercury											
	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
	nanomoles per litre											
Both sexes												
Age 6 to 11	1.41	1.14	1.67	3.29	2.34	4.25	6.84	5.34	8.34	10.36 E	6.36	14.37
Age 12 to 19	1.61	1.20	2.03	3.80 E	2.34	5.26	6.80 E	2.63	10.96	11.20 E	4.66	17.75
Age 20 to 39	3.84	3.07	4.60	7.45 E	4.62	10.28	15.48	9.82	21.13	24.36 E	12.24	36.48
Age 40 to 59	5.56	4.28	6.83	9.61	7.47	11.76	17.88	11.52	24.24	31.87 E	15.11	48.63
Age 60 to 79	4.81	3.51	6.12	9.40	6.12	12.69	17.00	12.14	21.86	24.07 E	13.63	34.51
Age 6 to 79	**4.03**	**3.21**	**4.85**	**8.01**	**5.85**	**10.17**	**15.31**	**11.00**	**19.61**	**23.41** E	**13.03**	**33.80**
Males												
Age 6 to 11	1.28	0.90	1.65	3.07 E	1.93	4.20	5.96 E	2.61	9.29	10.20 E	4.79	15.62
Age 12 to 19	1.38 E	0.84	1.92	3.18 E	0.93	5.42	7.37 E	2.05	12.70	F	…	…
Age 20 to 39	3.64	2.79	4.50	7.53 E	3.58	11.49	15.87 E	8.53	23.21	23.00 E	12.96	33.04
Age 40 to 59	5.32	4.06	6.57	9.14	7.58	10.70	17.07 E	6.40	27.73	F	…	…
Age 60 to 79	5.22	3.45	6.98	10.97	8.01	13.92	17.81 E	8.98	26.65	F	…	…
Age 6 to 79	**3.94**	**3.20**	**4.69**	**8.03**	**5.72**	**10.34**	**15.78**	**10.85**	**20.70**	**25.59** E	**13.45**	**37.74**
Females												
Age 6 to 11	1.49	1.25	1.72	3.97	2.71	5.24	7.16	6.01	8.31	10.74 E	5.37	16.11
Age 12 to 19	1.80	1.36	2.24	4.12	3.00	5.23	5.96 E	2.14	9.78	11.14 E	6.58	15.69
Age 20 to 39	4.01	2.95	5.06	7.42	4.80	10.05	13.33 E	8.45	18.21	23.77 E	10.34	37.21
Age 40 to 59	5.77	4.38	7.16	10.07	7.18	12.95	18.21 E	11.00	25.41	26.66 E	10.07	43.25
Age 60 to 79	4.57	3.54	5.59	8.45	5.99	10.91	16.60	12.29	20.90	21.79	14.82	28.75
Age 6 to 79	**4.12**	**3.12**	**5.12**	**7.86**	**5.75**	**9.97**	**14.97**	**10.65**	**19.30**	**22.21** E	**12.71**	**31.71**

E use with caution (data with a coefficient of variation (CV) from 16.6% to 33.3%)
F too unreliable to be published (data with a coefficient of variation (CV) greater than 33.3%; suppressed due to extreme sampling variability)
L below the limit of dection

Note(s): Total household population aged 6 to 79, except those meeting the exclusion criteria.
For more information regarding the exclusion criteria and the limit of detection for whole blood mercury, please refer to the *Canadian Health Measures Survey (CHMS) Data User Guide: Cycle 1*.
This table was produced using the software package SUDAAN.

Source(s): Canadian Health Measures Survey, Cycle 1.