Table 61

Distribution of the household population by the concentration of whole blood lead in micrograms per decilitre, by age and sex, Canada, 2007 to 2009

	Concentration of whole blood lead											
	Geometric mean			5 th percentile			10 th percentile			25 th percentile		
	Estimate	Confidence interval		Estimate	Confidence interval		Estimate	Confidence interval		Estimate	Confidence interval	
		From	To		From	To		From	To		From	To
	micrograms per decilitre											
Both sexes												
Age 6 to 11	0.90	0.81	0.99	0.46	0.38	0.53	0.53	0.49	0.57	0.65	0.59	0.70
Age 12 to 19	0.80	0.74	0.85	0.41	0.37	0.45	0.47	0.44	0.51	0.57	0.53	0.62
Age 20 to 39	1.12	1.04	1.21	0.50	0.43	0.57	0.57	0.52	0.62	0.76	0.69	0.82
Age 40 to 59	1.60	1.46	1.75	0.64	0.54	0.73	0.82	0.70	0.95	1.15	1.06	1.24
Age 60 to 79	2.08	1.90	2.29	0.83	0.79	0.87	1.04	0.93	1.14	1.44	1.33	1.56
Age 6 to 79	**1.34**	**1.24**	**1.44**	**0.52**	**0.48**	**0.55**	**0.60**	**0.56**	**0.65**	**0.86**	**0.79**	**0.93**
Males												
Age 6 to 11	0.92	0.85	0.99	0.49	0.45	0.54	0.54	0.50	0.58	0.66	0.61	0.72
Age 12 to 19	0.88	0.82	0.96	0.45	0.39	0.51	0.51	0.46	0.55	0.65	0.60	0.69
Age 20 to 39	1.41	1.28	1.55	0.59	0.48	0.70	0.75	0.65	0.85	0.97	0.87	1.07
Age 40 to 59	1.74	1.57	1.92	0.81	0.67	0.95	0.98	0.89	1.08	1.25	1.15	1.35
Age 60 to 79	2.31	2.08	2.57	0.91	0.72	1.10	1.20	1.07	1.34	1.55	1.37	1.73
Age 6 to 79	**1.51**	**1.40**	**1.63**	**0.59**	**0.55**	**0.62**	**0.71**	**0.66**	**0.76**	**1.01**	**0.95**	**1.08**
Females												
Age 6 to 11	0.87	0.77	0.99	0.41	0.34	0.48	0.51	0.46	0.57	0.64	0.57	0.70
Age 12 to 19	0.71	0.66	0.77	0.39	0.34	0.43	0.43	0.37	0.49	0.53	0.48	0.58
Age 20 to 39	0.89	0.81	0.98	0.44	0.37	0.50	0.52	0.46	0.57	0.64	0.60	0.68
Age 40 to 59	1.47	1.31	1.65	0.59	0.52	0.65	0.71	0.59	0.82	1.05	0.90	1.19
Age 60 to 79	1.89	1.69	2.12	0.77	0.71	0.83	0.94	0.81	1.07	1.34	1.15	1.52
Age 6 to 79	**1.18**	**1.08**	**1.30**	**0.48**	**0.43**	**0.52**	**0.55**	**0.50**	**0.60**	**0.74**	**0.68**	**0.81**

	Concentration of whole blood lead											
	50 th percentile			75 th percentile			90 th percentile			95 th percentile		
	Estimate	Confidence interval		Estimate	Confidence interval		Estimate	Confidence interval		Estimate	Confidence interval	
		From	To		From	To		From	To		From	To
	micrograms per decilitre											
Both sexes												
Age 6 to 11	0.87	0.77	0.97	1.19	1.05	1.34	1.61	1.47	1.76	1.95	1.65	2.26
Age 12 to 19	0.76	0.70	0.83	1.05	0.99	1.11	1.34	1.11	1.56	1.64	1.47	1.82
Age 20 to 39	1.05	0.99	1.11	1.58	1.39	1.77	2.35	2.02	2.68	3.12	2.75	3.49
Age 40 to 59	1.55	1.43	1.67	2.22	1.95	2.50	3.17	2.71	3.63	3.87	3.16	4.57
Age 60 to 79	2.07	1.90	2.24	3.02	2.68	3.37	4.17	3.53	4.81	5.19	4.20	6.18
Age 6 to 79	**1.30**	**1.21**	**1.39**	**2.03**	**1.83**	**2.22**	**3.07**	**2.77**	**3.37**	**3.79**	**3.32**	**4.26**
Males												
Age 6 to 11	0.89	0.79	1.00	1.21	1.10	1.31	1.64	1.44	1.83	1.96	1.78	2.13
Age 12 to 19	0.87	0.79	0.95	1.16	1.05	1.27	1.53	1.29	1.77	1.79	1.28	2.29
Age 20 to 39	1.30	1.15	1.46	2.00	1.68	2.33	2.94	2.59	3.30	3.65	2.88	4.42
Age 40 to 59	1.61	1.46	1.77	2.35	1.92	2.77	3.31	2.77	3.85	3.95	3.02	4.88
Age 60 to 79	2.24	1.98	2.49	3.27	2.86	3.68	4.86	3.96	5.75	6.17	4.95	7.39
Age 6 to 79	**1.44**	**1.34**	**1.54**	**2.21**	**2.01**	**2.42**	**3.26**	**2.87**	**3.66**	**4.22**	**3.71**	**4.72**
Females												
Age 6 to 11	0.85	0.73	0.97	1.16	0.93	1.39	1.61	1.37	1.86	1.93	1.26	2.60
Age 12 to 19	0.68	0.62	0.75	0.91	0.79	1.04	1.16	0.98	1.33	1.46	1.25	1.67
Age 20 to 39	0.86	0.77	0.96	1.19	1.08	1.30	1.64	1.38	1.91	2.05	1.78	2.32
Age 40 to 59	1.46	1.27	1.64	2.11	1.81	2.41	3.11	2.49	3.74	3.78	3.05	4.52
Age 60 to 79	1.93	1.69	2.18	2.67	2.27	3.06	3.69	3.20	4.17	4.53	3.81	5.25
Age 6 to 79	**1.14**	**1.04**	**1.25**	**1.74**	**1.51**	**1.97**	**2.73**	**2.35**	**3.12**	**3.50**	**3.03**	**3.97**

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 lead, 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.