

Table 55

Distribution of the household population (fasted sub-sample) by the concentration of plasma glucose, by age and sex, Canada, 2007 to 2009

Concentration of plasma glucose - fasted sub-sample												
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	
millimoles per litre												
Both sexes												
Age 6 to 11	4.5	4.5	4.6	3.9	3.8	4.0	4.1	4.0	4.2	4.3	4.2	4.4
Age 12 to 19	4.6	4.5	4.7	3.9	3.8	4.0	4.1	3.9	4.3	4.4	4.3	4.5
Age 20 to 39	4.8	4.7	4.9	4.1	4.0	4.2	4.2	4.0	4.4	4.5	4.4	4.6
Age 40 to 59	5.2	5.1	5.3	4.3	4.2	4.4	4.4	4.3	4.5	4.7	4.6	4.8
Age 60 to 79	5.5	5.3	5.6	4.4	4.2	4.6	4.6	4.5	4.7	4.9	4.8	5.0
Age 6 to 19	4.6	4.5	4.7	3.9	3.8	4.0	4.1	4.0	4.2	4.4	4.3	4.5
Age 20 to 79	5.1	5.1	5.2	4.2	4.1	4.3	4.3	4.2	4.4	4.6	4.5	4.7
Age 6 to 79	5.0	5.0	5.1	4.1	4.0	4.2	4.3	4.2	4.4	4.5	4.4	4.6
Males												
Age 6 to 11	4.6	4.5	4.6	4.0	3.8	4.2	4.2	4.1	4.3	4.4	4.3	4.5
Age 12 to 19	4.7	4.6	4.8	3.9	3.7	4.1	4.2	4.0	4.4	4.5	4.4	4.6
Age 20 to 39	4.9	4.8	5.1	4.2	4.0	4.4	4.3	4.2	4.4	4.6	4.5	4.7
Age 40 to 59	5.3	5.1	5.4	4.3	4.1	4.5	4.5	4.3	4.7	4.7	4.6	4.8
Age 60 to 79	5.7	5.4	5.9	4.5	4.3	4.7	4.7	4.5	4.9	5.1	5.0	5.2
Age 6 to 19	4.7	4.6	4.7	3.9	3.7	4.1	4.2	4.1	4.3	4.4	4.3	4.5
Age 20 to 79	5.2	5.1	5.3	4.3	4.2	4.4	4.5	4.3	4.7	4.7	4.6	4.8
Age 6 to 79	5.1	5.1	5.2	4.2	4.1	4.3	4.3	4.2	4.4	4.6	4.5	4.7
Females												
Age 6 to 11	4.5	4.4	4.6	3.9	3.7	4.1	4.0	3.9	4.1	4.3	4.1	4.5
Age 12 to 19	4.5	4.4	4.7	3.8	3.6	4.0	4.0	3.8	4.2	4.3	4.1	4.5
Age 20 to 39	4.7	4.6	4.7	4.0	3.8	4.2	4.1	4.0	4.2	4.4	4.3	4.5
Age 40 to 59	5.1	5.0	5.3	4.2	4.1	4.3	4.4	4.3	4.5	4.6	4.5	4.7
Age 60 to 79	5.3	5.1	5.5	4.3	4.1	4.5	4.5	4.3	4.7	4.8	4.8	4.8
Age 6 to 19	4.5	4.4	4.6	3.9	3.8	4.0	4.0	3.8	4.2	4.3	4.1	4.5
Age 20 to 79	5.0	4.9	5.1	4.1	4.0	4.2	4.3	4.2	4.4	4.5	4.4	4.6
Age 6 to 79	4.9	4.8	5.0	4.0	3.9	4.1	4.2	4.1	4.3	4.5	4.4	4.6

Concentration of plasma glucose - fasted sub-sample												
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	
millimoles per litre												
Both sexes												
Age 6 to 11	4.5	4.4	4.6	4.7	4.6	4.8	5.0	4.9	5.1	5.2	5.1	5.3
Age 12 to 19	4.6	4.5	4.7	4.9	4.8	5.0	5.1	4.9	5.3	5.4	5.2	5.6
Age 20 to 39	4.7	4.6	4.8	5.0	4.9	5.1	5.3	5.1	5.5	5.5	5.4	5.6
Age 40 to 59	5.0	4.9	5.1	5.4	5.3	5.5	6.1	5.8	6.4	6.7	6.1	7.3
Age 60 to 79	5.2	5.1	5.3	5.7	5.5	5.9	6.6	6.1	7.1	7.7	6.9	8.5
Age 6 to 19	4.6	4.5	4.7	4.8	4.7	4.9	5.1	5.0	5.2	5.3	5.1	5.5
Age 20 to 79	4.9	4.8	5.0	5.3	5.2	5.4	5.9	5.7	6.1	6.5	6.2	6.8
Age 6 to 79	4.8	4.7	4.9	5.2	5.1	5.3	5.7	5.5	5.9	6.3	6.0	6.6
Males												
Age 6 to 11	4.5	4.4	4.6	4.8	4.7	4.9	5.0	4.9	5.1	5.2	5.0	5.4
Age 12 to 19	4.7	4.6	4.8	5.0	4.9	5.1	5.2	4.9	5.5	5.6	5.4	5.8
Age 20 to 39	4.8	4.7	4.9	5.1	5.0	5.2	5.5	5.3	5.7	5.6	5.5	5.7
Age 40 to 59	5.1	5.0	5.2	5.5	5.3	5.7	6.2	5.9	6.5	6.7	6.3	7.1
Age 60 to 79	5.4	5.2	5.6	5.9	5.6	6.2	7.0	6.1	7.9	8.1	7.2	9.0
Age 6 to 19	4.7	4.6	4.8	4.9	4.8	5.0	5.2	5.0	5.4	5.4	5.2	5.6
Age 20 to 79	5.0	4.9	5.1	5.4	5.3	5.5	6.1	5.9	6.3	6.7	6.4	7.0
Age 6 to 79	5.0	4.9	5.1	5.3	5.2	5.4	5.9	5.7	6.1	6.4	6.1	6.7
Females												
Age 6 to 11	4.5	4.4	4.6	4.7	4.6	4.8	4.9	4.8	5.0	5.2	5.0	5.4
Age 12 to 19	4.6	4.5	4.7	4.8	4.7	4.9	5.0	4.9	5.1	5.1	4.9	5.3
Age 20 to 39	4.6	4.5	4.7	4.9	4.8	5.0	5.2	5.0	5.4	5.5	5.3	5.7
Age 40 to 59	4.9	4.8	5.0	5.3	5.2	5.4	5.9	5.3	6.5	6.7	5.2	8.2
Age 60 to 79	5.1	5.0	5.2	5.5	5.3	5.7	6.2	5.7	6.7	7.0	6.0	8.0
Age 6 to 19	4.5	4.4	4.6	4.7	4.6	4.8	5.0	4.9	5.1	5.1	4.9	5.3
Age 20 to 79	4.8	4.8	4.8	5.2	5.1	5.3	5.7	5.5	5.9	6.3	5.8	6.8
Age 6 to 79	4.8	4.7	4.9	5.1	5.0	5.2	5.6	5.4	5.8	6.2	5.8	6.6

Note(s): Total household population aged 6 to 79 based on the fasted sub-sample, except those meeting the exclusion criteria (see the *Canadian Health Measures Survey (CHMS) Data User Guide: Cycle 1*).

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