

Table 41

Distribution of the household population by the concentration of serum vitamin B12, by age and sex, Canada, 2007 to 2009

	Concentration of serum vitamin B12											
	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
picomoles per litre												
Both sexes												
Age 6 to 11	462	450	474	228	214	242	267	255	279	348	332	364
Age 12 to 19	347	334	359	153	142	164	178	159	197	233	225	241
Age 20 to 39	321	312	330	148	134	162	176	164	188	218	209	227
Age 40 to 59	332	318	346	145	136	154	169	156	182	218	205	231
Age 60 to 79	351	340	362	153	143	163	177	169	185	230	221	239
Age 6 to 19	387	378	396	163	150	176	202	194	210	262	252	272
Age 20 to 79	332	323	340	147	140	154	174	167	181	221	214	228
Age 6 to 79	341	334	349	150	144	156	177	171	183	227	220	234
Males												
Age 6 to 11	453	434	471	223	193	253	269	250	288	337	312	362
Age 12 to 19	358	340	376	177	155	199	204	191	217	252	235	269
Age 20 to 39	328	315	341	178	166	190	194	186	202	241	229	253
Age 40 to 59	315	304	325	144	129	159	162	148	176	213	195	231
Age 60 to 79	327	315	339	150	135	165	171	163	179	220	207	233
Age 6 to 19	391	376	406	190	172	208	212	200	224	276	267	285
Age 20 to 79	322	314	330	154	145	163	178	173	183	224	212	236
Age 6 to 79	334	329	340	156	149	163	181	177	185	232	226	238
Females												
Age 6 to 11	473	454	491	238	222	254	266	234	298	359	319	399
Age 12 to 19	334	317	352	139	117	161	157	138	176	225	208	242
Age 20 to 39	315	300	330	140	125	155	156	139	173	201	187	215
Age 40 to 59	350	327	372	148	135	161	175	158	192	221	204	238
Age 60 to 79	374	359	389	153	133	173	181	166	196	244	231	257
Age 6 to 19	382	372	393	151	134	168	177	149	205	246	228	264
Age 20 to 79	342	328	355	144	135	153	170	157	183	218	211	225
Age 6 to 79	349	336	361	144	136	152	170	157	183	221	213	229

	Concentration of serum vitamin B12											
	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
picomoles per litre												
Both sexes												
Age 6 to 11	448	431	465	589	571	607	671	655	687	702	696	708
Age 12 to 19	312	298	326	449	419	479	567	524	610	618	584	652
Age 20 to 39	291	284	298	411	391	431	529	503	555	582	557	607
Age 40 to 59	301	279	323	432	409	455	553	528	578	620	592	648
Age 60 to 79	320	304	336	451	424	478	592	567	617	654	631	677
Age 6 to 19	364	352	376	508	489	527	618	599	637	665	647	683
Age 20 to 79	299	288	310	426	408	444	553	540	566	618	604	632
Age 6 to 79	308	299	317	440	429	451	570	560	580	629	617	641
Males												
Age 6 to 11	443	418	468	569	531	607	659	638	680	700	692	708
Age 12 to 19	323	308	338	467	428	506	567	526	608	614	576	652
Age 20 to 39	301	290	312	398	367	429	514	475	553	573	545	601
Age 40 to 59	288	268	308	390	375	405	513	473	553	597	554	640
Age 60 to 79	298	280	316	398	381	415	563	525	601	621	581	661
Age 6 to 19	362	339	385	508	485	531	612	591	633	658	642	674
Age 20 to 79	296	287	305	394	380	408	520	493	547	590	570	610
Age 6 to 79	305	298	312	415	399	431	544	529	559	613	595	631
Females												
Age 6 to 11	454	426	482	594	573	615	682	669	695	705	696	714
Age 12 to 19	302	277	327	441	402	480	567	506	628	626	579	673
Age 20 to 39	277	262	292	413	381	445	532	495	569	596	563	629
Age 40 to 59	320	287	353	479	433	525	575	554	596	629	584	674
Age 60 to 79	344	326	362	485	449	521	632	614	650	671	650	692
Age 6 to 19	364	350	378	506	483	529	626	606	646	675	659	691
Age 20 to 79	305	283	327	450	423	477	575	560	590	632	613	651
Age 6 to 79	313	295	331	461	437	485	584	569	599	646	628	664

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 serum vitamin B12, please refer to the *Canadian Health Measures Survey (CHMS) Data User Guide: Cycle 1*.

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