

LDL-cholesterol concentrations: a genome-wide association study

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	Study 1 (EPIC-Norfolk subcohort) n=2269		Study 2 (EPIC-Norfolk obese set) n=1009		Study 3 (1958 British birth cohort) n=1375		Study 4 (CoLaus) n=5367		Study 5 (GEMS study) n=1665	
	$\beta$ coeff (SE)	p value	$\beta$ coeff (SE)	p value	$\beta$ coeff (SE)	p value	$\beta$ coeff (SE)	p value	$\beta$ coeff (SE)	p value
rs4420638	0.24 (0.04)	1.9×10 <sup>-9</sup>	0.14 (0.06)	0.02	0.25 (0.04)	2.8×10 <sup>-9</sup>	0.05 (0.01)	6.2×10 <sup>-12</sup>	0.04 (0.01)	5.6×10 <sup>-3</sup>
rs599839	-0.15 (0.04)	5.8×10 <sup>-5</sup>	-0.23 (0.06)	7.6×10 <sup>-5</sup>	-0.14 (0.04)	4.3×10 <sup>-4</sup>	-0.04 (0.01)	1.6×10 <sup>-7</sup>	-0.06 (0.01)	2.0×10 <sup>-5</sup>
rs4970834	-0.13 (0.04)	1.1×10 <sup>-3</sup>	-0.18 (0.06)	5.5×10 <sup>-3</sup>	-0.11 (0.04)	0.01	-0.04 (0.01)	1.9×10 <sup>-6</sup>	-0.04 (0.01)	2.8×10 <sup>-3</sup>
rs562338	-0.17 (0.04)	6.0×10 <sup>-6</sup>	-0.11 (0.06)	0.07	-0.18 (0.05)	1.1×10 <sup>-4</sup>	-0.03 (0.01)	2.7×10 <sup>-6</sup>	-0.02 (0.01)	0.18
rs7575840	0.15 (0.03)	6.3×10 <sup>-6</sup>	0.15 (0.05)	2.4×10 <sup>-3</sup>	0.04 (0.04)	0.26	0.03 (0.01)	1.9×10 <sup>-6</sup>	0.02 (0.01)	0.13
rs478442	-0.16 (0.04)	2.1×10 <sup>-5</sup>	-0.07 (0.06)	0.25	-0.16 (0.04)	3.6×10 <sup>-4</sup>	-0.03 (0.01)	2.7×10 <sup>-5</sup>	-0.02 (0.01)	0.06
rs4591370	-0.17 (0.04)	7.7×10 <sup>-6</sup>	-0.06 (0.06)	0.28	-0.16 (0.04)	4.2×10 <sup>-4</sup>	-0.03 (0.01)	3.2×10 <sup>-5</sup>	-0.02 (0.01)	0.06
rs4560142	-0.16 (0.04)	1.6×10 <sup>-5</sup>	-0.06 (0.06)	0.27	-0.16 (0.04)	4.2×10 <sup>-4</sup>	-0.03 (0.01)	3.5×10 <sup>-5</sup>	-0.03 (0.01)	0.05
rs576203	-0.16 (0.04)	1.2×10 <sup>-5</sup>	-0.07 (0.06)	0.25	-0.16 (0.04)	3.5×10 <sup>-4</sup>	-0.03 (0.01)	3.5×10 <sup>-5</sup>	-0.02 (0.01)	0.06
rs506585	-0.16 (0.04)	1.7×10 <sup>-5</sup>	-0.06 (0.06)	0.31	-0.16 (0.04)	3.5×10 <sup>-4</sup>	-0.03 (0.01)	4.2×10 <sup>-5</sup>	-0.03 (0.01)	0.05
rs488507	-0.14 (0.04)	1.3×10 <sup>-4</sup>	-0.07 (0.06)	0.25	-0.16 (0.04)	3.3×10 <sup>-4</sup>	-0.03 (0.01)	3.4×10 <sup>-5</sup>	-0.02 (0.01)	0.07
rs538928	-0.16 (0.04)	5.0×10 <sup>-5</sup>	-0.01 (0.06)	0.92	-0.16 (0.04)	3.5×10 <sup>-4</sup>	-0.03 (0.01)	3.6×10 <sup>-5</sup>	-0.02 (0.01)	0.05
rs10402271	0.04 (0.03)	0.17	0.11 (0.05)	0.02	0.12 (0.04)	7.5×10 <sup>-4</sup>	0.02 (0.01)	5.2×10 <sup>-4</sup>	0.04 (0.01)	8.3×10 <sup>-4</sup>
rs693	-0.12 (0.03)	1.3×10 <sup>-4</sup>	-0.07 (0.05)	0.15	-0.06 (0.03)	0.06	-0.03 (0.01)	1.0×10 <sup>-5</sup>	-0.02 (0.01)	0.16

**Webtable 3:** Associations between Affymetrix SNPs with a combined p value of <1.0×10<sup>-7</sup> and circulating concentrations of LDL cholesterol in independent study populations