

Exposures	Consortium	Outcomes	Population	Method	OR(95%CI)	P	Heterogeneity		Plciotropy test
							cochran's Q	p	p_value
Standing height	UK Biobank	Total OA	European	IVW	0.998 (0.995-1.002)	0.524	1258.432	2.99E-28	0.135
				MR Egger	1.003 (0.996-1.010)	0.329			
		Hip OA	European	IVW	1.160 (1.069-1.261)	0.0004	1652.783	1.12E-69	0.823
				MR Egger	1.185 (1.004-1.399)	0.0449			
Sitting height	UK Biobank	Total OA	European	IVW	1.093 (1.025-1.165)	0.007	1652.783	1.12E-69	0.823
				MR Egger	1.079 (0.949-1.227)	0.245			
		Hip OA	European	IVW	0.991 (0.987-0.995)	6.51E-06	953.919	1.74E-20	0.474
				MR Egger	0.988 (0.979-0.997)	0.008			
weight	UK Biobank	Total OA	European	IVW	0.962 (0.882-1.028)	0.206	467.479	0.498	0.903
				MR Egger	0.952 (0.794-1.167)	0.697			
		Hip OA	European	IVW	1.006 (0.934-1.086)	0.859	1351.633	4.07E-63	0.001
				MR Egger	0.787 (0.664-0.933)	0.005			
Body fat percentage	UK Biobank	Total OA	European	IVW	1.025 (1.021-1.030)	3.04E-27	813.772	4.82E-19	0.57
				MR Egger	1.022 (1.010-1.034)	0.0002			
		Hip OA	European	IVW	1.648 (1.497-1.815)	2.56E-24	886.701	4.66E-26	0.407
				MR Egger	1.813 (1.419-2.316)	2.53E-06			
Trunk fat percentage	UK Biobank	Total OA	European	IVW	1.901 (1.751-2.065)	1.74E-52	1036.467	5.57E-42	0.02
				MR Egger	1.513 (1.227-1.864)	1.17E-04			
		Hip OA	European	IVW	1.042 (1.035-1.049)	7.28E-38	634.52	7.77E-15	0.808
				MR Egger	1.044 (1.024-1.066)	2.91E-05			
hip circumference	UK Biobank	Total OA	European	IVW	1.573 (1.367-1.810)	2.47E-10	763.325	8.39E-28	0.108
				MR Egger	2.234 (1.425-3.502)	5.15E-04			
		Hip OA	European	IVW	2.431 (2.170-2.724)	5.54E-53	790.101	8.57E-31	0.308
				MR Egger	2.029 (1.409-2.923)	1.69E-04			
waist circumference	UK Biobank	Total OA	European	IVW	1.030 (1.025-1.036)	9.83E-28	626.543	4.91E-15	0.819
				MR Egger	1.028 (1.011-1.046)	0.001			
		Hip OA	European	IVW	1.431 (1.276-1.604)	8.44E-10	694.291	1.20E-21	0.277
				MR Egger	1.734 (1.205-2.495)	0.003			
BMI	UK Biobank	Total OA	European	IVW	1.961 (1.784-2.156)	3.78E-44	747.12	2.14E-27	0.2
				MR Egger	1.626 (1.203-2.198)	1.69E-03			
		Hip OA	European	IVW	1.028 (1.023-1.033)	2.66E-32	698.346	4.74E-18	0.186
				MR Egger	1.020 (1.007-1.033)	0.002			
BMI	UK Biobank	Total OA	European	IVW	1.582 (1.426-1.576)	5.71E-18	866.292	5.65E-36	0.174
				MR Egger	1.903 (1.431-2.530)	1.24E-05			
		Hip OA	European	IVW	1.850(1.700-2.014)	6.77E-46	913.795	2.66E-41	0.178
				MR Egger	1.595(1.264-2.012)	9.60E-05			
BMI	UK Biobank	Total OA	European	IVW	1.041 (1.036-1.047)	5.46E-50	547.267	8.21E-10	0.322
				MR Egger	1.034 (1.018-1.050)	2.52E-05			
		Hip OA	European	IVW	1.840 (1.658-2.042)	2.07E-30	502.874	1.08E-06	0.799
				MR Egger	1.908 (1.415-2.573)	2.88E-05			
BMI	UK Biobank	Total OA	European	IVW	2.371 (2.170-2.591)	3.37E-81	573.457	6.87E-12	0.437
				MR Egger	2.158(1.674-2.782)	6.96E-09			
		Hip OA	European	IVW	1.037(1.033-1.041)	4.49E-65	667.108	1.15E-11	0.733
				MR Egger	1.035(1.023-1.047)	5.97E-09			
BMI	UK Biobank	Total OA	European	IVW	1.621 (1.490-1.763)	1.99E-29	438	5.06E-10	0.058
				MR Egger	1.989 (1.584-2.497)	6.55E-09			
		Hip OA	European	IVW	2.244(2.088-2.412)	1.79E-106	757.194	3.58E-19	0.007
				MR Egger	1.752(1.441-2.129)	3.17E-08			