

eAppendix

eTable. Co-twin control analyses: Odds ratio of all cause, CVD and CHD mortality in BMI discordant twin pairs in twins with 1 to ≥ 5 units higher BMI at baseline than their co-twin. Results from the Swedish Twin Registry

Difference in BMI within pairs	ALL CAUSE mortality (without CHD)			CVD mortality (without CHD)			CHD mortality		
	MZ	DZ	DZ /MZ	MZ	DZ	DZ /MZ	MZ	DZ	DZ /MZ
	No pairs (%*) OR 95 % CI	No pairs (%*) OR 95 % CI	OR/OR 95 % CI	No pairs OR 95 % CI	No pairs OR 95 % CI	OR/OR 95 % CI	No pairs OR 95 % CI	No pairs OR 95 % CI	OR/OR 95 % CI
1-<2 BMI units	518 (25.0 %) 0.93 0.78-1.11	769 (21.2 %) 1.08 0.94-1.25	1.17 0.94- 1.46	243 0.96 0.75-1.23	331 1.25 1.01-1.56	1.31 0.94-1.83	169 0.87 0.64-1.18	255 0.97 0.75- 1.24	1.11 0.75- 1.65
2-<3 BMI units	323 (15.6 %) 1.00 0.8-1.24	598 (16.5%) 1.07 0.91-1.25	1.07 0.81- 1.41	150 0.89 0.64-1.22	258 0.99 0.77-1.26	1.12 0.74-1.68	109 1.22 0.83-1.79	206 1.10 0.84-1.46	0.90 0.56- 1.45
3-<4 BMI units	200 (9.6%) 0.77 0.58-1.03	458 (12.6%) 1.23 1.02-1.48	1.59 1.13- 2.22	93 0.77 0.51-1.17	223 1.37 1.05-1.79	1.78 1.09-2.91	55 1.32 0.77-1.27	131 1.22 0.86-1.72	0.92 0.48- 1.75
4-<5 BMI units	113 (5.4 %) 1.23 0.85-1.79	325 (9 %) 1.26 1.01-1.56	1.02 0.66- 1.57	52 1.52 0.87-2.65	165 1.48 1.08-2.02	0.97 0.51-1.84	32 1.13 0.56-2.28	94 1.72 1.13-2.64	1.52 0.67- 3.46
≥ 5 BMI units	126 (6.1 %) 0.9 0.63-1.28	511 (14.1 %) 1.22 1.02-1.45	1.36 0.92- 2.01	66 0.99 0.61-1.61	250 1.14 0.89-1.46	1.16 0.67-2.00	46 1.80 0.98-3.29	188 1.65 1.22-2.22	0.92 0.47- 1.80

Subjects with BMI <18.5 were not included in this analysis. ORs were adjusted for smoking.

* % of total number of pairs were at least one co-twin died during follow-up.

eFigure. Distribution of BMI at baseline. Results from the Swedish Twin Registry.

