Supplementary Table 2. Simple and partial correlation analysis of non-adjusted or adjusted parameters for annual body mass index changes and anthropometric measurements

	Studied variable	Control factor	BMD$_{ACR}$		BMD$_{APC}$		Adjusted BMD$_{ACR}$		Adjusted BMD$_{APC}$	
			R	P	R	P	R	P	R	P
Men										
Younger	Height	None	0.009	0.823	-0.013	0.734	-0.008	0.837	-0.025	0.530
		Weight	0.029	0.459	0.008	0.841	0.011	0.772	-0.004	0.920
		BMI	0.005	0.900	-0.017	0.662	-0.012	0.769	-0.028	0.472
	Weight	None	-0.047	0.232	-0.054	0.171	-0.048	0.217	-0.055	0.164
		Height	-0.054	0.165	-0.053	0.180	-0.049	0.211	-0.049	0.212
	BMI	None	-0.053	0.178	-0.052	0.188	-0.047	0.233	-0.047	0.226
		Height	-0.052	0.182	-0.053	0.179	-0.047	0.226	-0.049	0.208
Elder	Height	None	0.056	0.022	0.003	0.893	-0.016	0.522	-0.053	0.029
		Weight	0.003	0.918	-0.053	0.032	-0.052	0.034	-0.096	<0.001
		BMI	0.052	0.036	-0.003	0.917	-0.020	0.421	-0.059	0.016
	Weight	None	0.096	<0.001	0.083	0.001	0.048	0.049	0.045	0.064
		Height	0.078	0.001	0.098	<0.001	0.069	0.005	0.091	<0.001
	BMI	None	0.083	0.001	0.102	<0.001	0.069	0.005	0.091	<0.001
		Height	0.080	0.001	0.102	<0.001	0.070	0.004	0.095	<0.001
Women										
Younger	Height	None	0.130	<0.001	0.099	<0.001	0.053	0.003	0.035	0.051
		Weight	0.145	<0.001	0.112	<0.001	0.054	0.003	0.038	0.036
		BMI	0.119	<0.001	0.088	<0.001	0.051	0.005	0.033	0.071
	Weight	None	-0.024	0.182	-0.026	0.158	0.005	0.775	-0.003	0.889
		Height	-0.068	<0.001	-0.059	0.001	-0.012	0.514	-0.014	0.437
	BMI	None	-0.086	<0.001	-0.073	<0.001	-0.019	0.294	-0.019	0.295
		Height	-0.066	<0.001	-0.058	0.001	-0.011	0.559	-0.013	0.457
Elder	Height	None	-0.041	0.002	0.010	0.478	0.029	0.030	0.018	0.191
		Weight	-0.045	0.001	-0.021	0.113	0.025	0.066	-0.013	0.321
		BMI	-0.039	0.004	0.020	0.133	0.030	0.028	0.028	0.037
	Weight	None	0.002	0.904	0.080	<0.001	0.017	0.217	0.081	<0.001
		Height	0.018	0.177	0.082	<0.001	0.006	0.641	0.081	<0.001
	BMI	None	0.022	0.098	0.079	<0.001	0.001	0.936	0.077	<0.001
		Height	0.017	0.208	0.081	<0.001	0.005	0.711	0.080	<0.001

BMD$_{ACR}$, annual change rate in bone mineral density; BMD$_{APC}$, annual percent change in bone mineral density; R, Pearson's correlation coefficient; P, P-value of the regression coefficient test; BMI, body mass index.