

Erratum to: The relationship between hypertension and health-related quality of life: adjusted by chronic pain, chronic diseases, and life habits in the general middle-aged population in Japan

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Unfortunately, the bold values of Tables 4, 5, 6 and 7 were published incorrectly in the original publication of the article and are corrected with this erratum.

The standardized coefficients “ β ” values which contain asterisks (*, ** and ***) should be in bold.

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Table 4 Results of multiple linear regression analysis of the SF-36 scores: physical functioning (PF), role physical (RP), bodily pain (BP), and general health (GH), among men of Group 2

Explanatory variables	PF			RP			BP			GH		
	B	(95 % CI)	β	B	(95 % CI)	β	B	(95 % CI)	β	B	(95 % CI)	β
Constant	106.9	(95.4, 118.4)***		105.4	(91.6, 119.2)***		85.1	(66.2, 104.0)***		57.6	(43.7, 71.6)***	
Age	-0.189	(-0.401, 0.022)	-0.108	-0.041	(-0.295, 0.213)	-0.020	0.071	(-0.277, 0.418)	0.023	0.151	(-0.106, 0.407)	0.069
Obesity												
BMI <25.0 ^a												
BMI ≥25.0	-4.89	(-8.13, -1.65)	-0.170**	-3.60	(-7.49, 0.286)	-0.106	-5.85	(-11.2, -0.526)	-0.116*	0.283	(-3.65, 4.21)	0.008
Hypertension												
No ^a												
Yes	0.424	(-3.02, 3.87)	0.014	2.87	(-1.27, 7.00)	0.079	3.03	(-2.63, 8.70)	0.056	-2.71	(-6.89, 1.47)	-0.071
Diabetes mellitus												
No ^a												
Yes	-0.429	(-5.47, 4.61)	-0.009	-1.85	(-7.90, 4.20)	-0.035	5.53	(-2.76, 13.8)	0.070	-10.5	(-16.6, -4.35)	-0.186**
Allergic disease												
No ^a												
Yes	1.88	(-3.08, 6.84)	0.043	1.60	(-4.36, 7.56)	0.031	2.60	(-5.56, 10.8)	0.033	0.864	(-5.16, 6.89)	0.016
Cancer												
No ^a												
Yes	-6.94	(-18.6, 4.72)	-0.066	-17.9	(-31.9, -3.89)	-0.145*	-8.30	(-27.5, 10.9)	-0.045	-17.6	(-31.8, -3.46)	-0.135*
Insomnia and depression												
No ^a												
Yes	-7.39	(-17.2, 2.40)	-0.083	-1.22	(-13.0, 10.5)	-0.012	1.31	(-14.8, 17.4)	0.008	-17.8	(-29.7, -5.92)	-0.162**
Chronic pain												
No ^a												
Yes	-5.45	(-8.73, -2.16)	-0.187**	-5.08	(-9.02, -1.13)	-0.148*	-19.6	(-25.0, -14.2)	-0.385***	-6.51	(-10.5, -2.52)	-0.180**
Occupational status												
Employed ^a												
Unemployed	0.136	(-4.12, 4.39)	0.004	-5.46	(-10.6, -0.353)	-0.126*	-1.06	(-8.06, 5.94)	-0.016	1.06	(-4.11, 6.23)	0.023
Sleep condition												
Good sleep ^a												
Poor sleep	-2.63	(-5.66, 0.398)	-0.099	-2.52	(-6.16, 1.11)	-0.080	-8.89	(-13.9, -3.91)	-0.190**	-6.55	(-10.2, -2.87)	-0.197**
Frequency of exercise												
More than 1–2 times a week ^a												
Never	-3.40	(-6.42, -0.378)	-0.127*	-1.55	(-5.18, 2.07)	-0.049	-0.877	(-5.85, 4.09)	-0.019	1.13	(-2.54, 4.80)	0.034

Table 4 continued

Explanatory variables	PF		RP		BP		GH	
	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)
Number of observations	302		302		302		302	
<i>R</i> ²	0.132		0.103		0.238		0.174	
Adjusted <i>R</i> ²	0.099		0.069		0.209		0.143	
<i>F</i>	4.011		3.014		8.216		5.568	
Significant <i>F</i>	0.000		0.001		0.000		0.000	

B unstandardized coefficients, *β* standardized coefficients

Bold values indicate *p* < 0.05

^a Reference group. * *p* < 0.05, ** *p* < 0.01, *** *p* < 0.001

Table 5 Results of multiple linear regression analysis of the SF-36 scores: vitality (VT), social functioning (SF), role emotional (RE), and mental health (MH) among men of Group 2

Explanatory variables	VT			SF			RE			MH		
	B	(95 % CI)	β	B	(95 % CI)	β	B	(95 % CI)	β	B	(95 % CI)	β
Constant	43.6	(27.5, 59.7)***		99.9	(85.4, 114.5)***		107.5	(93.1, 121.9)***		59.3	(44.8, 73.7)***	
Age	0.578	(0.282, 0.874)	0.222***	0.029	(-0.238, 0.297)	0.013	-0.022	(-0.286, 0.242)	-0.010	0.381	(0.115, 0.647)	0.174**
Obesity												
BMI <25.0 ^a	-0.809	(-5.34, 3.72)	-0.019	-4.37	(-8.47, -0.277)	-0.123*	-4.35	(-8.39, -0.315)	-0.124*	0.768	(-3.30, 4.84)	0.021
BMI ≥25.0												
Hypertension												
No ^a	4.19	(-0.627, 9.01)	0.092	5.66	(1.30, 10.0)	0.149*	4.09	(-0.207, 8.39)	0.109	3.11	(-1.22, 7.44)	0.081
Diabetes mellitus												
No ^a	-0.463	(-7.51, 6.59)	-0.007	0.238	(-6.14, 6.61)	0.004	-2.46	(-8.75, 3.83)	-0.045	-1.39	(-7.73, 4.95)	-0.025
Yes												
Allergic disease												
No ^a	3.10	(-3.84, 10.0)	0.047	4.85	(-1.43, 11.1)	0.089	0.977	(-5.22, 7.17)	0.018	0.754	(-5.49, 7.00)	0.014
Yes												
Cancer												
No ^a	-15.8	(-32.1, 0.494)	-0.102	0.641	(-14.1, 15.4)	0.005	-6.12	(-20.7, 8.42)	-0.048	-5.93	(-20.6, 8.73)	-0.046
Yes												
Insomnia and depression												
No ^a	-9.66	(-23.4, 4.04)	-0.074	-10.0	(-22.4, 2.35)	-0.092	-2.32	(-14.5, 9.90)	-0.022	-7.83	(-20.1, 4.49)	-0.071
Yes												
Chronic pain												
No ^a	-9.93	(-14.5, -5.34)	-0.231***	-1.22	(-5.38, 2.94)	-0.034	-3.70	(-7.80, 0.40)	-0.104	-5.53	(-9.66, -1.40)	-0.153**
Yes												
Occupational status												
Employed ^a	0.025	(-5.93, 5.98)	0.000	-5.63	(-11.0, -0.244)	-0.124*	-7.79	(-13.1, -2.48)	-0.174**	-1.01	(-6.36, 4.35)	-0.022
Unemployed												
Sleep condition												
Good sleep ^a	-7.72	(-12.0, -3.48)	-0.195***	-3.26	(-7.10, 0.568)	-0.099	-2.36	(-6.14, 1.42)	-0.072	-4.87	(-8.68, -1.06)	-0.146*
Poor sleep												
Frequency of exercise												
More than 1–2 times a week ^a	-5.33	(-9.55, -1.10)	-0.134*	-4.14	(-7.96, -0.313)	-0.125*	-2.74	(-6.51, 1.04)	-0.084	-2.81	(-6.62, 0.988)	-0.084
Never												

Table 5 continued

Explanatory variables	VT		SF		RE		MH	
	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)
Number of observations	302		302		302		302	
<i>R</i> ²	0.227		0.094		0.092		0.117	
Adjusted <i>R</i> ²	0.198		0.060		0.058		0.083	
<i>F</i>	7.748		2.741		2.674		3.486	
Significant <i>F</i>	0.000		0.002		0.003		0.000	

B unstandardized coefficients, *β* standardized coefficients

Bold values indicate *p* < 0.05

^a Reference group. * *p* < 0.05, ** *p* < 0.01, *** *p* < 0.001

Table 6 Results of multiple linear regression analysis of the SF-36 scores: physical functioning (PF), role physical (RP), bodily pain (BP), and general health (GH), among women of Group 2

Explanatory variables	PF			RP			BP			GH		
	B	(95 % CI)	β	B	(95 % CI)	β	B	(95 % CI)	β	B	(95 % CI)	β
Constant	96.5	(87.4, 105.5)***		96.5	(84.2, 108.8)***		77.1	(61.4, 92.7)***		62.3	(49.1, 75.6)***	
Age	0.040	(-0.129, 0.208)	0.026	0.099	(-0.129, 0.327)	0.049	0.224	(-0.066, 0.513)	0.079	0.295	(0.049, 0.541)	0.128*
Obesity												
BMI <25.0 ^a	-1.14	(-4.27, 1.99)	-0.038	-3.23	(-7.46, 1.01)	-0.080	1.73	(-3.66, 7.12)	0.030	-1.54	(-6.11, 3.04)	-0.033
BMI ≥25.0												
Hypertension												
No ^a	-2.57	(-5.65, 0.505)	-0.090	1.81	(-2.36, 5.97)	0.047	-3.77	(-9.07, 1.52)	-0.069	-8.84	(-13.3, -4.34)	-0.200***
Yes												
Diabetes mellitus												
No ^a	3.87	(-1.89, 9.63)	0.070	1.39	(-6.40, 9.19)	0.019	1.51	(-8.40, 11.4)	0.014	-8.12	(-16.5, 0.312)	-0.096
Yes												
Allergic disease												
No ^a	-0.991	(-4.13, 2.15)	-0.033	0.665	(-3.58, 4.91)	0.016	0.624	(-4.77, 6.02)	0.011	-0.615	(-5.20, 3.97)	-0.013
Yes												
Cancer												
No ^a	-8.72	(-15.9, -1.57)	-0.127*	-5.12	(-14.8, 4.55)	-0.055	-3.32	(-15.6, 8.99)	-0.025	-1.24	(-11.7, 9.22)	-0.012
Yes												
Insomnia and depression												
No ^a	-11.1	(-19.1, -3.22)	-0.145***	-14.7	(-25.4, -4.00)	-0.142**	-9.97	(-23.6, 3.65)	-0.068	-14.6	(-26.2, -3.04)	-0.124*
Yes												
Chronic pain												
No ^a	-1.48	(-4.12, 1.16)	-0.058	-2.07	(-5.63, 1.50)	-0.060	-22.6	(-27.2, -18.1)	-0.469***	-5.72	(-9.58, -1.86)	-0.146**
Yes												
Occupational status												
Employed ^a												
Unemployed	-2.91	(-5.77, -0.054)	-0.109*	-4.19	(-8.06, -0.323)	-0.117*	-2.14	(-7.06, 2.78)	-0.042	-5.28	(-9.46, -1.10)	-0.129*
Sleep condition												
Good sleep ^a	-3.13	(-5.53, -0.732)	-0.136*	-6.32	(-9.56, -3.07)	-0.203***	-4.41	(-8.53, -0.280)	-0.101*	-8.77	(-12.3, -5.26)	-0.247***
Poor sleep												
Frequency of exercise												
More than 1–2 times a week ^a	-2.36	(-4.77, 0.061)	-0.101	-0.520	(-3.79, 2.75)	-0.017	-0.626	(-4.78, 3.53)	-0.014	-0.970	(-4.50, 2.57)	-0.027
Never												

Table 6 continued

Explanatory variables	PF		RP		BP		GH	
	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)
Number of observations	348		348		348		348	
<i>R</i> ²	0.100		0.094		0.261		0.189	
Adjusted <i>R</i> ²	0.071		0.065		0.236		0.162	
<i>F</i>	3.411		3.180		10.76		7.102	
Significant <i>F</i>	0.000		0.000		0.000		0.000	

B unstandardized coefficients, *β* standardized coefficients

Bold values indicate *p* < 0.05

^a Reference group, * *p* < 0.05, ** *p* < 0.01, *** *p* < 0.001

Table 7 Results of multiple linear regression analysis of the SF-36 scores: vitality (VT), social functioning (SF), role emotional (RE), and mental health (MH) among women of Group 2

Explanatory variables	VT			SF			RE			MH		
	B	(95 % CI)	β	B	(95 % CI)	β	B	(95 % CI)	β	B	(95 % CI)	β
Constant	35.1	(20.6, 49.6)***		78.8	(65.3, 92.4)***		85.4	(72.7, 98.1)***		51.2	(37.9, 64.5)***	
Age	0.718	(0.450, 0.987)	0.279***	0.275	(0.023, 0.526)	0.124*	0.269	(0.034, 0.504)	0.126*	0.532	(0.286, 0.778)	0.231***
Obesity												
BMI <25.0 ^a												
BMI ≥25.0	2.81	(-2.19, 7.81)	0.054	1.99	(-2.69, 6.66)	0.045	-3.03	(-7.39, 1.34)	-0.071	3.31	(-1.26, 7.89)	0.072
Hypertension												
No ^a												
Yes	-4.69	(-9.61, 0.226)	-0.095	-1.96	(-6.56, 2.63)	-0.046	1.46	(-2.83, 5.75)	0.036	-2.77	(-7.27, 1.73)	-0.063
Diabetes mellitus												
No ^a												
Yes	3.37	(-5.83, 12.6)	0.036	7.04	(-1.57, 15.6)	0.087	-0.798	(-8.84, 7.24)	-0.010	-0.440	(-8.86, 7.98)	-0.005
Allergic disease												
No ^a												
Yes	-1.15	(-6.16, 3.86)	-0.022	-0.580	(-5.26, 4.10)	-0.013	0.181	(-4.19, 4.56)	0.004	1.83	(-2.75, 6.42)	0.039
Cancer												
No ^a												
Yes	-1.11	(-12.5, 10.3)	-0.009	-0.546	(-11.2, 10.1)	-0.005	-3.63	(-13.6, 6.35)	-0.037	-0.808	(-11.3, 9.64)	-0.008
Insomnia and depression												
No ^a												
Yes	-14.0	(-26.6, -1.32)	-0.106*	-4.91	(-16.7, 6.91)	-0.043	-15.9	(-27.0, -4.89)	-0.146***	-17.8	(-29.4, -6.26)	-0.152***
Chronic pain												
No ^a												
Yes	-10.0	(-14.2, -5.81)	-0.229***	-2.95	(-6.88, 0.991)	-0.079	-2.69	(-6.37, 0.985)	-0.075	-2.32	(-6.17, 1.53)	-0.060
Occupational status												
Employed ^a												
Unemployed	0.115	(-4.45, 4.68)	0.003	-0.875	(-5.15, 3.40)	-0.022	-3.02	(-7.01, 0.973)	-0.080	0.274	(-3.91, 4.45)	0.007
Sleep condition												
Good sleep ^a												
Poor sleep	-9.46	(-13.3, -5.63)	-0.239***	-6.55	(-10.1, -2.97)	-0.193***	-9.18	(-12.5, -5.83)	-0.280***	-11.3	(-14.9, -7.84)	-0.321***
Frequency of exercise												
More than 1–2 times a week ^a												
Never	-3.21	(-7.07, 0.654)	-0.080	1.47	(-2.14, 5.08)	0.043	1.06	(-2.31, 4.43)	0.032	-0.639	(-4.17, 2.89)	-0.018

Table 7 continued

Explanatory variables	VT		SF		RE		MH	
	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)	<i>B</i>	(95 % CI)
Number of observations	348		348		348		348	
<i>R</i> ²	0.222		0.074		0.130		0.180	
Adjusted <i>R</i> ²	0.197		0.043		0.102		0.153	
<i>F</i>	8.736		2.429		4.569		6.702	
Significant <i>F</i>	0.000		0.006		0.000		0.000	

B unstandardized coefficients, β standardized coefficients

Bold values indicate $p < 0.05$

^a Reference group. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$