

Supplementary material

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Table S1 Missing data in postal survey

Variables	Number of answers	Number of missing data	Percent of missing data
Age	2076	0	0
Sex	2076	0	0
Education	1989	87	4.2
Marital status	2039	37	1.8
Employment	2031	45	2.2
BMI	2055	21	1.0
Smoking	2033	43	2.1
Perceived health status	1904	172	8.3
Declared changes of body weight	2026	50	2.4
Physical activity	1568	508	32.4
Declared changes in diet	1603	473	22.8
The test for SARS-CoV-2 infection	2035	41	2.0
History of COVID-19	2020	56	2.7
Quarantine	2022	54	2.6

COVID-19 vaccination	2025	51	2.5
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Abbreviations: BMI, body mass index

Table S2 Distribution of sociodemographic and lifestyle characteristics, and perceived health by the category of body weight change during pandemic and by sex

Characteristics	Men							Women						
	Weight gain		Weight loss		No change		P value	Weight gain		Weight loss		No change		P value
Age, y (mean, SD)	73.3	6.1	74.1	6.6	74.2	6.3	0.22 ^a	73.1	6.5	74.0	6.2	73.5	6.4	0.37 ^a
Education (n,%)														
Lower than secondary	32	18.4	24	21.2	134	20.1	0.37 ^b	34	10.0	15	14.2	82	15.1	0.29 ^b
Secondary	52	29.9	34	30.1	239	35.8		166	48.8	51	48.1	247	45.2	
University	90	51.7	55	48.7	294	44.1		140	41.2	40	37.7	217	39.7	
Married or cohabiting (n,%)														
Yes	143	79.9	103	89.6	569	83.5	0.09 ^b	189	55.4	52	46.8	264	46.4	0.03 ^b
No	36	20.1	12	10.4	112	16.5		152	44.6	59	53.2	305	53.6	
Employed (n,%)														
Yes	37	20.7	29	25.2	164	24.1	0.57 ^b	70	20.4	15	13.9	101	18.0	0.29 ^b
No	142	79.3	86	74.8	517	75.9		273	79.6	93	86.1	461	82.0	
BMI, kg/m ² (mean, SD)	29.4	3.7	27.2	4.5	26.9	4.0	<0.001 ^a	29.0	5.0	26.7	4.4	26.7	5.0	<0.001 ^a
BMI groups (n,%)														
<25 kg/m ²	16	8.8	33	28.2	225	32.6	<0.001 ^b	68	19.6	42	37.8	237	41.4	<0.001 ^b
≥25 to <30 kg/m ²	100	55.3	63	53.8	343	49.7		150	43.4	44	39.6	226	39.5	
≥30 kg/m ²	65	35.9	21	18.0	122	17.7		128	37.0	25	22.6	109	19.1	
Current smoker (n, %)														
Yes	17	9.5	13	11.2	96	14.1	0.22 ^b	47	13.7	7	6.5	101	17.7	0.008 ^b
No	162	90.5	103	88.8	584	85.9		295	86.3	101	93.5	471	82.3	
Perceived health (n,%)														
Good	69	40.8	36	33.0	306	47.5	<0.001 ^b	142	45.1	33	31.7	230	44.2	<0.001 ^b
Moderate	79	46.8	46	42.2	274	42.6		140	44.4	41	39.4	230	44.2	
Bad	21	12.4	27	24.8	64	9.9		33	10.5	30	28.9	61	11.6	
Leisure time physical activity, h/week (Me, Q1-Q3)	11	6-19	14.5	8.25-22.2	13	6.5-26	0.082 ^c	15	7-24.2	12.5	7-21.4	13.8	6.5-28	0.39 ^c
Declared change of quality of diet during pandemic (n,%)														
Improved	46	31.9	45	51.1	118	21.0	<0.001 ^b	108	39.2	37	52.9	126	28.8	<0.001 ^d
No change	84	58.3	39	44.3	428	76.3		121	43.8	28	40.0	297	68.0	
Worsened	14	9.8	4	4.6	15	2.7		47	17.0	5	7.1	14	3.2	

Abbreviations: BMI, body mass index

Statistical significance tested by: a) ANOVA test; b) Chi-square test; c) Kruskal-Wallis test;

d) Fisher's exact test.

Table S3 Distribution of quarantine, history of COVID-19 and hospitalization due to COVID-19 by categories of declared change of body weight during pandemic by sex

Characteristics	Men							Women						
	Weight gain		Weight loss		No change		P value	Weight gain		Weight loss		No change		P value
Quarantine (n, %)														
Yes	22	12.4	29	25.2	72	10.7	<0.001	39	11.4	22	20.0	54	9.6	0.007
No	156	87.6	86	74.8	602	89.3		303	88.6	88	80.0	507	90.4	
History of COVID-19 (n, %)														
Yes	21	11.6	41	36.0	79	11.7	<0.001	45	13.3	28	25.7	66	11.8	0.001
No	160	88.4	73	64.0	596	88.3		294	86.7	81	74.3	494	88.2	
History of COVID-19 confirmed by a doctor or by a test (n, %)														
Yes	16	8.8	34	29.8	58	8.6	<0.001	32	9.4	23	21.1	46	8.2	<0.001
No	165	91.2	80	70.2	617	91.4		307	90.6	86	78.9	514	91.8	
History of COVID-19 confirmed by test (n, %)														
Yes	14	7.7	32	28.0	52	7.7	<0.001	25	7.4	22	20.2	39	7.0	<0.001
No	167	92.3	82	72.0	623	92.3		314	92.6	87	79.8	521	93.0	
Hospitalization in patients confirmed by test (n, %)														
Yes	1	8.3	14	43.8	8	15.4	0.005	4	16.0	8	38.1	3	8.1	0.020
No	11	91.7	18	56.2	44	84.6		21	84.0	13	61.9	34	91.9	
Results of the test for SARS-CoV-2 infection														
Positive	14	30.4	32	58.2	52	28.7	<0.001	25	26.6	22	50.0	39	25.5	0.005
Negative	32	69.6	23	41.8	129	71.3		69	73.4	22	50.0	114	74.5	

Statistical significance tested by Chi-square test.

Table S4 The odds ratio (OR) of body weight change according to sociodemographic and lifestyle factors, and perceived health - results of univariable multinomial regression analysis in total sample studied (reference: no change of body weight)

Variable	Weight gain		Weight loss	
	OR 95% CI	P value	OR 95% CI	P value
Male sex	0.44 (0.35-0.54)	<0.001	0.87 (0.66-1.16)	0.35
Age per year	0.98 (0.97-0.99)	0.03	1.00 (0.98-1.03)	0.71
Education (reference: lower than secondary)				
Secondary	1.47 (1.07-2.02)	0.02	0.97 (0.64-1.46)	0.88
University	1.47 (1.07-2.02)	0.02	1.03 (0.69-1.54)	0.89
Married or cohabiting	0.88 (0.71-1.09)	0.26	1.09 (0.81-1.48)	0.57
Employed	0.95 (0.74-1.22)	0.70	0.91 (0.63-1.30)	0.59
Perceived health status (reference: good)				
Moderate	1.10 (0.88-1.38)	0.39	1.34 (0.96-1.88)	0.09
Bad	1.10 (0.77-1.57)	0.61	3.54 (2.37-5.29)	<0.001
BMI, kg/m ²	1.12 (1.09-1.15)	<0.001	1.01 (0.97-1.05)	0.61
BMI groups (reference: BMI<25 kg/m ²)				
≥25 to <30 kg/m ²	2.42 (1.83-3.18)	<0.001	1.16 (0.84-1.59)	0.37
≥30 kg/m ²	4.59 (3.40-6.21)	<0.001	1.22 (0.82-1.83)	0.32
Current smoker	0.75 (0.55-1.01)	0.06	0.52 (0.32-0.85)	0.009
Leisure time physical activity	0.99 (0.99-1.00)	0.20	0.99 (0.98-1.00)	0.22
Declared changes in diet during pandemic (reference: no change)				
Improved	2.23 (1.73-2.88)	<0.001	3.64 (2.55-5.18)	<0.001
Worsened	7.44 (4.66-11.88)	<0.001	3.36 (1.53-7.39)	0.003
Quarantine	1.17 (0.85-1.62)	0.34	2.58 (1.79-3.71)	<0.001
History of COVID-19	1.09 (0.80-1.49)	0.58	3.37 (2.41-4.70)	<0.001
History of COVID-19 confirmed by doctor or by test	1.11 (0.77-1.58)	0.58	3.73 (2.60-5.36)	<0.001
History of COVID-19 confirmed by test	1.02 (0.69-1.50)	0.92	4.02 (2.76-5.83)	<0.001
Hospitalization in patients confirmed by test	1.11 (0.36-11.60)	0.86	5.03 (2.18-11.60)	0.001
Positive test (reference: negative test)	1.04 (0.67-1.62)	0.85	3.27 (2.06-5.20)	<0.001

Abbreviations: BMI, body mass index; CI, confidence interval.

Table S5 The odds ratio (OR) of body weight change according to sociodemographic and lifestyle factors and perceived health status - results of univariable multinomial regression analysis by sex (reference: no change of body weight)

Variable	Men				Women			
	Weight gain		Weight loss		Weight gain		Weight loss	
	OR 95% CI	P value	OR 95% CI	P value	OR 95% CI	P value	OR 95% CI	P value
Age	0.98 (0.95-1.00)	0.08	1.00 (0.97-1.03)	0.88	0.99 (0.97-1.01)	0.33	1.01 (0.98-1.04)	0.46
Education (reference: lower than secondary)								
Secondary	0.91 (0.56-1.48)	0.71	0.79 (0.45-1.40)	0.42	1.62 (1.04-2.53)	0.03	1.13 (0.60-2.11)	0.70
University	1.28 (0.82-2.01)	0.28	1.04 (0.62-1.76)	0.87	1.56 (0.99-2.45)	0.06	1.01 (0.53-1.92)	0.98
Married or cohabiting	0.78 (0.51-1.19)	0.25	1.69 (0.90-3.18)	0.10	1.44 (1.10-1.88)	0.008	1.02 (0.68-1.53)	0.931
Employed	0.82 (0.55-1.23)	0.34	1.06 (0.67-1.68)	0.79	1.17 (0.83-1.64)	0.36	0.74 (0.41-1.32)	0.31
Perceived health status (reference: good)								
Moderate	1.28 (0.89-1.84)	0.18	1.43 (0.90-2.27)	0.13	0.99 (0.73-1.33)	0.92	1.24 (0.76-2.03)	0.39
Bad	1.45 (0.83-2.54)	0.19	3.59 (2.03-6.32)	<0.001	0.88 (0.55-1.40)	0.58	3.43 (1.94-6.06)	<0.001
BMI, kg/m ²	1.15 (1.11-1.21)	<0.001	1.02 (0.97-1.08)	0.38	1.10 (1.07-1.13)	<0.001	1.00 (0.95-1.05)	0.99
BMI groups (reference: BMI<25 kg/m ²)								
≥25 to <30 kg/m ²	4.10 (2.36-7.13)	<0.001	1.25 (0.80-1.97)	0.33	2.31 (1.65-3.25)	<0.001	1.10 (0.69-1.74)	0.69
≥30 kg/m ²	7.49 (4.15-13.51)	<0.001	1.17 (0.65-2.12)	0.59	4.09 (2.82-5.93)	<0.001	1.29 (0.75-2.23)	0.35
Current smoker	0.64 (0.37-1.10)	0.11	0.77 (0.41-1.42)	0.40	0.74 (0.51-1.08)	0.12	0.32 (0.15-0.72)	0.005
Leisure time physical activity	0.98 (0.97-0.99)	0.01	0.99 (0.98-1.01)	0.41	1.00 (0.99-1.01)	0.69	0.99 (0.98-1.01)	0.35
Declared changes in diet during pandemic (reference: no change)								
Improved	1.99 (1.31-3.00)	0.001	4.18 (2.60-6.73)	<0.001	2.10 (1.51-2.93)	<0.001	3.11 (1.83-5.31)	<0.001
Worsened	4.76 (2.21-10.22)	<0.001	2.93 (0.93-9.25)	0.07	8.24 (4.37-15.52)	<0.001	3.79 (1.27-11.29)	0.02
Quarantine	1.18 (0.71-1.96)	0.53	2.82 (1.73-4.59)	<0.001	1.21 (0.78-1.87)	0.39	2.35 (1.36-4.05)	0.002
History of COVID-19	0.99 (0.59-1.65)	0.97	4.24 (2.70-6.64)	<0.001	1.15 (0.76-1.72)	0.51	2.59 (1.57-4.27)	<0.001
History of COVID-19 confirmed by doctor or by test	1.03 (0.58-1.84)	0.92	4.52 (2.79-7.33)	<0.001	1.165 (0.73-1.87)	0.53	2.99 (1.72-5.18)	<0.001
History of COVID-19 confirmed by test	1.00 (0.54-1.86)	0.99	4.67 (2.84-7.69)	<0.001	1.06 (0.63-1.79)	0.82	3.38 (1.91-5.97)	<0.001
Hospitalization in patients confirmed by test	0.42 (0.05-3.82)	0.44	3.31 (1.17-9.35)	0.02	2.30(0.46-11.44)	0.31	6.89 (1.56-30.41)	0.01
Positive test (reference: negative test)	1.12 (0.55-2.26)	0.75	3.56 (1.91-6.64)	<0.001	1.05(0.59-1.89)	0.86	2.95(1.47-5.90)	0.002

Abbreviations: CI, confidence interval.

Table S6 The adjusted odds ratio (OR)of body weight change in participants in quarantine, and with a history of COVID-19 by sex (reference: no change of body weight)

Variable	Men				Women			
	Weight gain		Weight loss		Weight gain		Weight loss	
	OR 95% CI	P value	OR 95% CI	P value	OR 95% CI	P value	OR 95% CI	P value
Quarantine ^a	1.17 (0.69-1.97)	0.56	2.81 (1.73-4.58)	<0.001	1.03 (0.65-1.61)	0.91	2.44 (1.40-4.25)	0.002
Quarantine ^b	1.29 (0.75-2.19)	0.35	3.17 (1.91-5.26)	<0.001	0.90 (0.56-1.463)	0.68	2.22 (1.23-4.01)	0.008
Quarantine ^c	1.46 (0.77-2.77)	0.25	3.56 (1.88-6.74)	<0.001	1.24 (0.62-2.50)	0.54	3.79 (1.52-9.44)	0.004
History of COVID-19								
Non-hospitalized ^a	0.88(0.50-1.53)	0.64	3.09(1.86- 5.13)	<0.001	0.99 (0.64-1.53)	0.96	1.90(1.06-3.40)	0.03
Hospitalized ^a	0.44(0.05-3.63)	0.45	14.41(5.83-35.61)	<0.001	1.71(0.42-6.98)	0.45	12.50(3.67-42.54)	<0.001
Any ^{a,d}	0.92 (0.55-1.56)	0.77	4.23 (2.69-6.63)	<0.001	1.02 (0.67-1.55)	0.93	2.66 (1.61-4.42)	<0.001
Non-hospitalized ^b	0.85(0.47-1.51)	0.58	3.23(1.92- 5.45)	<0.001	0.86(0.54-1.38)	0.54	1.86(1.01-3.43)	0.05
Hospitalized ^b	0.89(0.09-8.26)	0.92	26.64(8.36-84.83)	<0.001	1.82(0.44-7.48)	0.40	11.26(3.17-40.00)	<0.001
Any ^{b,d}	0.95 (0.55-1.64)	0.85	4.59 (2.87-7.34)	<0.001	0.91 (0.58-1.42)	0.67	2.37 (1.38-4.08)	0.002
Non-hospitalized ^c	0.85(0.43-1.68)	0.64	2.68(1.38-5.20)	0.004	0.90 (0.47-1.73)	0.76	2.71(1.12-6.60)	0.02
Hospitalized ^c	-----	-----	-----	-----	1.63(0.21-12.89)	0.64	12.11(1.75-83.60)	0.01
Any ^{c,d}	0.93 (0.49-1.77)	0.827	3.83 (2.11-6.96)	<0.001	0.96 (0.52-1.80)	0.91	3.39 (1.51-7.61)	0.003
History of COVID-19 diagnosed by doctor or by test								
Non-hospitalized ^a	0.88(0.46- 1.68)	0.69	3.06(1.73-5.42)	<0.001	1.03(0.61-1.72)	0.92	2.14(1.11-4.13)	0.023
Hospitalized ^a	0.44(0.05-3.65)	0.45	13.60(5.52-33.51)	<0.001	2.22(0.49-10.10)	0.30	16.33(4.242-62.90)	<0.001
Any ^{a,d}	0.94 (0.52-1.71)	0.85	4.51 (2.77-7.32)	<0.001	1.05 (0.65-1.69)	0.85	3.07 (1.76-5.35)	<0.001
Non-hospitalized ^b	0.83(0.42- 1.63)	0.58	3.20(1.77-5.76)	<0.001	0.97(0.56-1.67)	0.91	2.07(1.04-4.16)	0.04
Hospitalized ^b	0.89(0.10- 8.28)	0.92	24.99 (7.86-79.44)	<0.001	2.39(0.52-10.95)	0.26	14.75 (3.68-59.09)	<0.001
Any ^{b,d}	0.97 (0.52-1.81)	0.92	4.97 (2.98-8.27)	<0.001	1.01 (0.60-1.68)	0.97	2.80 (1.54-5.07)	<0.001
Non-hospitalized ^c	0.82(0.36- 1.88)	0.65	2.61(1.20-5.67)	0.015	0.80(0.36- 1.77)	0.59	3.29 (1.19-9.04)	0.02
Hospitalized ^c	-----	-----	-----	-----	-----	-----	-----	-----
Any ^{c,d}	0.94 (0.44-2.01)	0.87	4.23 (2.19-8.19)	<0.001	0.99 (0.42-1.90)	0.78	4.38 (1.77-10.85)	0.001
History of COVID-19 confirmed by test								
Non-hospitalized ^a	0.86(0.43-1.73)	0.67	3.08(1.70-5.59)	0.003	0.88(0.50-1.57)	0.67	2.35(1.19- 4.67)	0.014
Hospitalized ^a	0.45(0.05-3.66)	0.45	13.38(5.43-32.93)	<0.001	2.20(0.49-10.01)	0.31	16.38(4.25-63.05)	<0.001
Any ^{a,d}	0.93 (0.50-1.75)	0.83	4.65 (2.83-7.66)	<0.001	0.94 (0.55-1.61)	0.84	3.48 (1.96-6.20)	<0.001
Non-hospitalized ^b	0.87(0.43-1.77)	0.70	3.19(1.73-5.90)	<0.001	0.85(0.46-1.58)	0.61	2.33(1.12- 4.82)	0.02
Hospitalized ^b	0.90(0.10-8.37)	0.93	24.55(7.72-78.00)	<0.001	2.38(0.52-10.89)	0.26	14.84(3.70-59.50)	<0.001
Any ^{b,d}	1.03 (0.54-1.96)	0.93	5.13 (3.03-8.66)	<0.001	0.94 (0.53-1.65)	0.82	3.21 (1.73-5.95)	<0.001
Non-hospitalized ^c	0.82(0.34-1.94)	0.65	2.23(0.98- 5.09)	0.056	0.68(0.28-1.65)	0.39	3.25(1.11-9.55)	0.03
Hospitalized ^c	-----	-----	-----	-----	2.80(0.23-33.52)	0.41	20.91(1.93-226.50)	0.01
Any ^{c,d}	0.94 (0.43-2.06)	0.88	3.92 (1.99-7.72)	<0.001	0.79 (0.35-1.81)	0.58	4.47 (1.74-11.51)	0.002

^aadjusted for: age, BMI;

^badjusted for: age, BMI, perceived health status;

^cadjusted for: age, BMI, perceived health status, education, marital status, smoking, physical activity, dietary changes

^d hospitalized or not-hospitalized

Abbreviations: BMI, body mass index; CI, confidence interval.

Table S7 The adjusted odds ratio (OR) of body weight change according to negative test, history of COVID-19 diagnosed by doctor but without test, hospitalization due to COVID-19 in the whole sample studied and by sex group (reference: no change of body weight)

Variable	Total				Men				Women			
	Weight gain		Weight loss		Weight gain		Weight loss		Weight gain		Weight loss	
	OR ^a 95% CI	P value	OR ^a 95% CI	P value	OR 95% CI	P value	OR 95% CI	P value	OR 95% CI	P value	OR 95% CI	P value
Negative test (reference: not ill and not tested)												
Model 1	0.94 (0.71-1.24)	0.65	1.41 (0.97-2.05)	0.07	0.89 (0.57-1.39)	0.61	1.63 (0.96-2.77)	0.01	0.96 (0.68-1.37)	0.83	1.22 (0.72-2.08)	0.45
Model 2	0.90 (0.67-1.21)	0.48	1.19 (0.79-1.78)	0.40	0.83 (0.51-1.33)	0.43	1.52 (0.86-2.69)	0.15	0.93 (0.64-1.35)	0.70	0.97 (0.54-1.72)	0.91
Model 3	0.93 (0.64-1.36)	0.72	1.12 (0.66-1.92)	0.67	0.96 (0.53-1.72)	0.88	1.22 (0.58-2.53)	0.60	0.90 (0.55-1.48)	0.67	1.01 (0.45-2.27)	0.98
History of COVID-19 diagnosed by doctor but without test (reference: not ill and not tested or ill but not confirmed by doctor)												
Model 1	1.40 (0.58-3.39)	0.45	1.68 (0.47-6.01)	0.42	1.00 (0.19-5.12)	0.99	2.76 (0.54-14.09)	0.22	1.57 (0.53-4.62)	0.41	0.94 (0.11-7.78)	0.95
Model 2	1.09 (0.41-2.87)	0.86	1.60 (0.44-5.86)	0.48	0.55 (0.06-4.86)	0.59	3.16 (0.58-17.10)	0.18	1.36 (0.44-4.19)	0.59	0.83 (0.10-7.16)	0.87
Model 3	1.46 (0.37-5.79)	0.59	4.65 (1.00-21.71)	0.051	0.95 (0.07-12.24)	0.97	7.80 (0.98-61.85)	0.05	1.59 (0.29-8.70)	0.59	3.39 (0.27-42.95)	0.35
Hospitalization (reference: not hospitalized COVID-19 confirmed by a test)												
Model 1	1.32 (0.41-4.23)	0.64	5.38 (2.30-12.59)	<0.001	0.52 (0.06-4.69)	0.56	4.18 (1.49-11.73)	0.007	2.62 (0.51-13.38)	0.25	9.07 (1.91-43.03)	0.006
Model 2	1.95 (0.54-6.98)	0.31	8.30 (2.92-23.59)	<0.001	1.02 (0.10-10.63)	0.99	7.61(2.03-28.57)	0.003	2.24 (0.41-12.25)	0.35	8.18 (1.46-45.87)	0.02
Model 3	1.77 (0.20-15.71)	0.61	16.00 (2.84-90.20)	0.002	-	-	-	-	-	-	-	-
Non-hospitalized (reference: negative test)												
Model 1	0.88 (0.56-1.37)	0.91	2.73 (1.74-4.27)	<0.001	0.92(0.47-1.82)	0.81	3.13(1.73-5.68)	<0.001	1.02 (0.58-1.79)	0.95	2.30 (1.17-4.54)	0.02
Model 2	0.87 (0.55-1.38)	0.56	2.75 (1.72-4.39)	<0.001	0.88(0.43-1.78)	0.71	3.15(1.71- 5.83)	<0.001	0.85(0.46-1.57)	0.61	2.32(1.12-4.80)	0.02
Model 3	0.75 (0.41-1.39)	0.36	2.54 (1.33-4.87)	0.005	0.82(0.34-1.94)	0.65	2.21(0.97-5.03)	0.059	0.67(0.27-1.6)	0.38	3.22(1.10-9.42)	0.03
Positive test (reference: negative test)												
Model 1	1.00 (0.63-1.59)	0.99	3.17 (1.99-5.05)	<0.001	1.00 (0.48-2.11)	0.991	3.44 (1.84-6.45)	<0.001	0.98 (0.54-1.79)	0.95	2.83 (1.40-5.70)	0.004
Model 2	1.07 (0.66-1.74)	0.82	3.89 (2.33-6.50)	<0.001	1.23 (0.57-2.67)	0.60	4.77 (2.36-9.61)	<0.001	0.96 (0.51-1.82)	0.90	3.04 (1.40-6.57)	0.005
Model 3	0.93 (0.48-1.79)	0.82	3.80 (1.87-7.73)	<0.001	1.17 (0.44-3.11)	0.76	4.53 (1.70-12.06)	0.002	0.76 (0.29-2.02)	0.59	3.92 (1.19-12.90)	0.03

Model 1 adjusted for: age, BMI;

Model 2 adjusted for: age, BMI, perceived health status;

Model 3 adjusted for: age, BMI, perceived health status, education, marital status, smoking, physical activity, dietary changes

^aadditionally adjusted for sex.

Figure S1 Flow chart of the study

