

## Supplementary Materials

Effect of temporary housing on incidence of diabetes mellitus in survivors of a tsunami-stricken area in 2011 Japan disaster:  
A serial cross-sectional RIAS study

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Supplementary Table S1.

- (A) Baseline characteristics of men in the 2011 survey stratified by age classes (n=2,697).
- (B) Baseline characteristics of women in the 2011 survey stratified by age classes (n=4,794).

Supplementary Table S2.

- (A) Odds ratios of the incidence of diabetes mellitus for men in discrete-time logit models excluding DM events in the 2012 and 2013 survey.
- (B) Odds ratios of the incidence of diabetes mellitus for women in discrete-time logit models excluding DM events in the 2012 and 2013 survey.

Supplementary Table S3.

- (A) Odds ratios of the incidence of diabetes mellitus for men in discrete-time logit models for all cases.
- (B) Odds ratios of the incidence of diabetes mellitus for women in discrete-time logit models for all cases.

Supplementary Table S4.

- (A) Odds ratios of the incidence of diabetes mellitus diagnosed two times during surveys for men in discrete-time logit models stratified age classes.
- (B) Odds ratios of the incidence of diabetes mellitus diagnosed two times during surveys for women in discrete-time logit models stratified age classes.

Supplementary Table S5.

- (A) Baseline characteristics of participants in the 2012 survey (n=7,491).
- (B) Baseline characteristics of participants in the 2013 survey (n=7,491).

(C) Baseline characteristics of participants in the 2014 survey (n=7,491).

(D) Baseline characteristics of participants in the 2015 survey (n=7,491).

Supplementary Table S6.

The number of participants and the number of events in categorical variables.

1 Supplementary Table S1 (A). Baseline characteristics of men in the 2011 survey stratified by age classes (n=2,697)  
2

Men		64 years or younger (n=1245)				65 years or older (n=1452)			
		Missing	TH group (n=425)	Non-TH group (n=820)		Missing	TH group (n=428)	Non-TH group (n=1024)	
		n (%)	Mean (SD)	Mean (SD)	<i>P</i> Value	n (%)	Mean (SD)	Mean (SD)	<i>P</i> Value
Age	Age (yr)	0 (0.0)	51.1 (10.2)	51.8 (11.3)	0.288	0 (0.0)	72.7 (5.2)	73.1 (5.4)	0.118
Disaster-related experiences	Death of family members	335 (26.9)	57 (18.7)	47 (7.8)	<0.001	350 (28.1)	43 (13.0)	47 (6.1)	<0.001
Marital status	Single (2015)	338 (27.1)	122 (40.1)	164 (27.2)	<0.001	353 (28.4)	65 (19.6)	89 (11.6)	<0.001
Life style	Current smokers	0 (0.0)	202 (47.5)	315 (38.4)	0.002	0 (0.0)	82 (19.2)	183 (17.9)	0.562
	Drinkers	0 (0.0)	295 (69.4)	558 (68.0)	0.623	0 (0.0)	267 (62.4)	617 (60.3)	0.448
	Low physical activity	5 (0.4)	261 (61.4)	465 (57.1)	0.139	9 (0.7)	291 (68.5)	605 (59.4)	0.001
	Small number of meals (<3 times)	5 (0.4)	63 (14.9)	84 (10.3)	0.017	14 (1.1)	17 (4.0)	17 (1.7)	0.007
Socioeconomic status	Poor dietary intake	0 (0.0)	228 (53.6)	383 (46.7)	0.020	0 (0.0)	174 (40.7)	346 (33.8)	0.013
	Severe economic status	2 (0.2)	298 (70.4)	500 (61.0)	0.001	7 (0.6)	245 (57.9)	378 (37.0)	<0.001
	Unemployment (2015)	355 (28.5)	76 (25.7)	132 (22.2)	0.251	355 (28.5)	246 (74.5)	569 (74.2)	0.900
Psychological factors	Psychological distress	9 (0.7)	184 (43.6)	336 (41.3)	0.433	18 (1.4)	162 (38.4)	287 (28.4)	<0.001
	Insomnia	10 (0.8)	148 (35.2)	230 (28.3)	0.013	19 (1.5)	122 (28.8)	182 (18.0)	<0.001
Social factors	Low level of social network	16 (1.3)	182 (43.5)	379 (46.7)	0.287	40 (3.2)	162 (38.6)	388 (39.1)	0.849
	Low level of social capital	2 (0.2)	53 (12.5)	93 (11.4)	0.567	4 (0.3)	39 (9.2)	100 (9.8)	0.711
Cardiovascular risk factors	Obesity	0 (0.0)	158 (37.2)	309 (37.7)	0.861	0 (0.0)	145 (33.9)	369 (36.0)	0.433
	Hypertension	0 (0.0)	155 (36.5)	304 (37.1)	0.834	0 (0.0)	259 (60.5)	637 (62.2)	0.545
	Dyslipidemia	0 (0.0)	166 (39.1)	303 (37.0)	0.467	0 (0.0)	141 (32.9)	295 (28.8)	0.117

- 3 Continuous variables indicate mean (standard deviation), categorical variables indicate the number of case (%).
- 4 P Values were calculated using the Student t tests for continuous variables and the Chi square test for categorical variables.
- 5 Abbreviations: non-TH, non-temporary housing group; TH, temporary housing group; SD, standard deviation.

6 Supplementary Table S1 (B). Baseline characteristics of women in the 2011 survey stratified by age classes (n=4,794)

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Women		64 years or younger (n=2666)				65 years or older (n=2128)			
		Missing	TH group (n=835)	Non-TH group (n=1831)		Missing	TH group (n=684)	Non-TH group (n=1444)	
		n (%)	Mean (SD)	Mean (SD)	<i>P</i> Value	n (%)	Mean (SD)	Mean (SD)	<i>P</i> Value
Age	Age (yr)	0 (0.0)	50.2 (11.3)	51.8 (10.7)	<0.001	0 (0.0)	72.6 (5.3)	72.4 (5.2)	0.418
Disaster-related experiences	Death of family members	600 (48.2)	94 (14.8)	89 (6.2)	<0.001	479 (38.5)	85.0 (0.2)	65.0 (0.1)	<0.001
Marital status	Single (2015)	600 (48.2)	168 (26.3)	316 (22.1)	0.037	479 (38.5)	272.0 (0.5)	437.0 (0.4)	<0.001
Life style	Current smokers	0 (0.0)	104 (12.5)	180 (9.8)	0.042	0 (0.0)	13.0 (0.0)	12.0 (0.0)	0.032
	Drinkers	0 (0.0)	195 (23.4)	350 (19.1)	0.012	0 (0.0)	44.0 (0.1)	91.0 (0.1)	0.908
	Low physical activity	17 (1.4)	581 (69.7)	1198 (66.0)	0.055	21 (1.7)	502.0 (0.7)	952.0 (0.7)	0.001
	Small number of meals (<3 times)	6 (0.5)	81 (9.7)	131 (7.2)	0.024	19 (1.5)	11.0 (0.0)	17.0 (0.0)	0.409
	Poor dietary intake	0 (0.0)	335 (40.1)	605 (33.0)	<0.001	0 (0.0)	183.0 (0.3)	390.0 (0.3)	0.902
Socioeconomic status	Severe economic status	2 (0.2)	511 (61.3)	992 (54.2)	0.001	9 (0.7)	391.0 (0.6)	526.0 (0.4)	<0.001
	Unemployment (2015)	621 (49.9)	277 (43.8)	708 (50.1)	0.009	484 (38.9)	483.0 (0.9)	957.0 (0.9)	0.111
Psychological factors	Psychological distress	41 (3.3)	454 (55.3)	845 (46.8)	<0.001	60 (4.8)	325.0 (0.5)	575.0 (0.4)	<0.001
	Insomnia	33 (2.7)	357 (43.2)	658 (36.4)	0.001	45 (3.6)	315.0 (0.5)	484.0 (0.3)	<0.001
Social factors	Low level of social network	46 (3.7)	345 (42.3)	804 (44.6)	0.274	56 (4.5)	257.0 (0.4)	484.0 (0.3)	0.033
	Low level of social capital	4 (0.3)	83 (9.9)	159 (8.7)	0.303	12 (1.0)	52.0 (0.1)	100.0 (0.1)	0.570
Cardiovascular risk factors	Obesity	10 (0.8)	224 (26.9)	451 (24.7)	0.228	0 (0.0)	205.0 (0.3)	467.0 (0.3)	0.272
	Hypertension	0 (0.0)	213 (25.5)	467 (25.5)	0.998	0 (0.0)	425.0 (0.6)	872.0 (0.6)	0.441
	Dyslipidemia	0 (0.0)	374 (44.8)	842 (46.0)	0.565	0 (0.0)	336.0 (0.5)	675.0 (0.5)	0.305

- 8 Continuous variables indicate mean (standard deviation), categorical variables indicate the number of case (%).
- 9 P Values were calculated using the Student t tests for continuous variables and the Chi square test for categorical variables.
- 10 Abbreviations: non-TH, non-temporary housing group; TH, temporary housing group; SD, standard deviation.

11 **Supplementary Table S2 (A). Odds ratios of the incidence of diabetes mellitus for men in discrete-time logit models excluding DM events in the**  
 12 **2012 and 2013 survey**  
 13

<b>Men</b>				
<b>Age class</b>	<b>64 years or younger</b>		<b>65 years or older</b>	
	<b>Model 1</b>	<b>Model 2</b>	<b>Model 1</b>	<b>Model 2</b>
<b>Panel samples</b>	3583	2988	4417	3749
<b>Number</b>	1192	651	1359	1028
<b>Event case</b>	38	35	52	47
	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>
<b>TH</b>	2.01 (1.02 - 3.96)	1.97 (0.95 - 4.09)	1.36 (0.70 - 2.62)	1.59 (0.79 - 3.21)
<b>Age</b>	1.06 (1.02 - 1.11)	1.06 (1.01 - 1.11)	0.97 (0.92 - 1.03)	0.98 (0.92 - 1.05)
<b>Death of family members</b>		1.41 (0.52 - 3.83)		0.91 (0.27 - 3.08)
<b>Single (2015)</b>		0.61 (0.25 - 1.49)		0.41 (0.12 - 1.38)
<b>Severe economic status</b>		1.04 (0.43 - 2.48)		0.59 (0.26 - 1.33)
<b>Unemployment (2015)</b>		0.90 (0.40 - 2.02)		1.11 (0.57 - 2.20)

14 Abbreviations: OR, Odds ratio; CI, confidence interval; TH, temporary housing group.

15 **Supplementary Table S2 (B). Odds ratios of the incidence of diabetes mellitus for women in discrete-time logit models excluding DM events in**  
 16 **the 2012 and 2013 survey**  
 17

<b>Women</b>				
<b>Age class</b>	<b>64 years or younger</b>		<b>65 years or older</b>	
	<b>Model 1</b>	<b>Model 2</b>	<b>Model 1</b>	<b>Model 2</b>
<b>Panel samples</b>	8300	7187	6701	5822
<b>Number</b>	1891	1605	2042	1581
<b>Event case</b>	42	38	52	47
	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>
<b>TH</b>	1.25 (0.61 - 2.56)	1.36 (0.64 - 2.92)	1.02 (0.53 - 1.95)	0.91 (0.44 - 1.86)
<b>Age</b>	1.04 (1.01 - 1.08)	1.03 (0.99 - 1.07)	1.08 (1.02 - 1.13)	1.08 (1.02 - 1.15)
<b>Death of family members</b>		0.88 (0.26 - 2.95)		4.87 (2.45 - 9.69)
<b>Single (2015)</b>		0.81 (0.35 - 1.88)		0.50 (0.26 - 0.97)
<b>Severe economic status</b>		0.53 (0.21 - 1.39)		1.34 (0.58 - 3.13)
<b>Unemployment (2015)</b>		1.52 (0.75 - 3.05)		0.80 (0.35 - 1.86)

18 Abbreviations: OR, Odds ratio; CI, confidence interval; TH, temporary housing group.



19 **Supplementary Table S3 (A). Odds ratios of the incidence of diabetes mellitus for men in discrete-time logit models for all cases**  
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<b>Men</b>				
<b>Age class</b>	<b>64 years or younger</b>		<b>65 years or older</b>	
	<b>Model 1</b>	<b>Model 2</b>	<b>Model 1</b>	<b>Model 2</b>
<b>Panel samples</b>	2464	2464	3254	3254
<b>Number</b>	637	637	854	854
<b>Event case</b>	52	52	87	87
	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>
<b>2013 (ref= 2012)</b>	0.52 (0.23–1.17)	0.52 (0.23–1.17)	0.45 (0.25–0.81)	0.45 (0.25–0.82)
<b>2014</b>	0.87 (0.43–1.76)	0.87 (0.43–1.78)	0.55 (0.31–0.97)	0.56 (0.31–0.99)
<b>2015</b>	0.64 (0.29–1.38)	0.60 (0.26–1.35)	0.45 (0.24–0.83)	0.37 (0.19–0.74)
<b>TH</b>	1.78 (1.00–3.16)	1.82 (1.01–3.28)	1.11 (0.68–1.83)	1.11 (0.66–1.84)
<b>Age</b>	1.05 (1.02–1.09)	1.05 (1.02–1.09)	0.99 (0.95–1.04)	0.99 (0.95–1.04)
<b>Death of family members</b>		1.00 (0.40–2.45)		0.65 (0.23–1.82)
<b>Single (2015)</b>		0.93 (0.47–1.84)		0.44 (0.18–1.12)
<b>Severe economic status</b>		1.16 (0.62–2.15)		1.44 (0.89–2.32)
<b>Unemployment (2015)</b>		0.75 (0.38–1.49)		1.62 (0.92–2.84)

21 Abbreviations: OR, Odds ratio; CI, confidence interval; TH, temporary housing group.  
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23 **Supplementary Table S3 (B). Odds ratios of the incidence of diabetes mellitus for women in discrete-time logit models for all cases**  
 24

<b>Women</b>				
<b>Age class</b>	<b>64 years or younger</b>		<b>65 years or older</b>	
	<b>Model 1</b>	<b>Model 2</b>	<b>Model 1</b>	<b>Model 2</b>
<b>Panel samples</b>	6061	6061	5005	5005
<b>Number</b>	1545	1545	1290	1290
<b>Event case</b>	64	64	92	92
	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>
<b>2013 (ref= 2012)</b>	0.55 (0.29–1.05)	0.55 (0.29–1.05)	0.52 (0.29–0.93)	0.51 (0.29–0.91)
<b>2014</b>	0.39 (0.19–0.79)	0.39 (0.19–0.80)	0.48 (0.26–0.87)	0.47 (0.26–0.86)
<b>2015</b>	0.40 (0.20–0.81)	0.46 (0.21–1.00)	0.64 (0.37–1.11)	0.83 (0.43–1.60)
<b>TH</b>	1.22 (0.70–2.12)	1.24 (0.71–2.18)	0.76 (0.46–1.25)	0.73 (0.43–1.23)
<b>Age</b>	1.06 (1.03–1.10)	1.05 (1.02–1.10)	1.03 (0.98–1.07)	1.03 (0.98–1.07)
<b>Death of family members</b>		1.17 (0.52–2.63)		2.74 (1.56–4.80)
<b>Single (2015)</b>		1.07 (0.59–1.95)		0.87 (0.55–1.37)
<b>Severe economic status</b>		0.84 (0.48–1.47)		0.65 (0.39–1.10)
<b>Unemployment (2015)</b>		1.49 (0.85–2.59)		0.98 (0.53–1.84)

25 Abbreviations: OR, Odds ratio; CI, confidence interval; TH, temporary housing group.

26 **Supplementary Table S4 (A). Odds ratios of the incidence of diabetes mellitus diagnosed two times during surveys for men in discrete-time logit**  
 27 **models stratified age classes**  
 28

<b>Men</b>				
<b>Age class</b>	<b>64 years or younger</b>		<b>65 years or older</b>	
	<b>Model 1</b>	<b>Model 2</b>	<b>Model 1</b>	<b>Model 2</b>
<b>Panel samples</b>	3643	2393	3466	3044
<b>Number</b>	1134	904	1408	1127
<b>Event case</b>	55	48	107	89
	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>
<b>2014 (ref= 2013)</b>	0.45 (0.22 - 0.92)	0.44 (0.20 - 0.97)	0.48 (0.30 - 0.77)	0.49 (0.29 - 0.84)
<b>2015</b>	0.77 (0.42 - 1.43)	0.70 (0.34 - 1.41)	0.54 (0.34 - 0.86)	0.59 (0.32 - 1.09)
<b>TH</b>	1.80 (1.03 - 3.14)	1.63 (0.87 - 3.04)	0.64 (0.37 - 1.11)	0.62 (0.33 - 1.16)
<b>Age</b>	1.06 (1.02 - 1.09)	1.06 (1.02 - 1.11)	1.02 (0.98 - 1.06)	1.02 (0.98 - 1.07)
<b>Death of family members</b>		1.09 (0.44 - 2.67)		0.65 (0.25 - 1.65)
<b>Single (2015)</b>		1.19 (0.61 - 2.32)		1.40 (0.78 - 2.51)
<b>Severe economic status</b>		1.37 (0.66 - 2.83)		0.95 (0.56 - 1.62)
<b>Unemployment (2015)</b>		1.09 (0.56 - 2.10)		0.95 (0.58 - 1.56)

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 30 Abbreviations: OR, Odds ratio; CI, confidence interval; TH, temporary housing group.

31 **Supplementary Table S4 (B). Odds ratios of the incidence of diabetes mellitus diagnosed two times during surveys for women in discrete-time logit models**  
 32 **stratified age classes**  
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<b>Women</b>				
<b>Age class</b>	<b>64 years or younger</b>		<b>65 years or older</b>	
	<b>Model 1</b>	<b>Model 2</b>	<b>Model 1</b>	<b>Model 2</b>
<b>Panel samples</b>	6210	5602	5138	4602
<b>Number</b>	2485	2061	2036	1607
<b>Event case</b>	69	58	94	73
	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>	<b>OR (95% CI)</b>
<b>2014 (ref= 2013)</b>	0.52 (0.29 - 0.92)	0.55 (0.30 - 1.03)	0.47 (0.28 - 0.78)	0.41 (0.22 - 0.75)
<b>2015</b>	0.45 (0.25 - 0.82)	0.42 (0.20 - 0.87)	0.50 (0.30 - 0.83)	0.48 (0.25 - 0.92)
<b>TH</b>	1.03 (0.58 - 1.81)	1.00 (0.53 - 1.88)	0.70 (0.41 - 1.17)	0.42 (0.21 - 0.84)
<b>Age</b>	1.03 (1.00 - 1.06)	1.03 (1.00 - 1.07)	1.02 (0.98 - 1.06)	1.04 (0.99 - 1.09)
<b>Death of family members</b>		1.29 (0.54 - 3.08)		1.43 (0.67 - 3.06)
<b>Single (2015)</b>		0.72 (0.36 - 1.44)		1.12 (0.68 - 1.82)
<b>Severe economic status</b>		1.04 (0.57 - 1.91)		1.22 (0.69 - 2.16)
<b>Unemployment (2015)</b>		1.20 (0.69 - 2.09)		1.27 (0.57 - 2.81)

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 35 Abbreviations: OR, Odds ratio; CI, confidence interval; TH, temporary housing group.

36 Supplementary Table S5 (A). Baseline characteristics of participants in the 2012 survey (n=7,491)

		Men (n=2697)				Women (n=4794)				
		Missing	TH group (n=853)	Non-TH group (n=1844)		Missing	TH group (n=1519)	Non-TH group (n=3275)		
		n (%)	Mean (SD)/ n (%)	Mean (SD)/ n (%)	P Value	n (%)	Mean (SD)/ (%)	n	Mean (SD)/ n (%)	P-value
<b>Age</b>	<b>Age (yr)</b>	392 (14.5)	62.7 (13.4)	65.1 (13.4)	<0.001	589 (16.5)	61.4 (14.2)	62.0 (13.2)	0.203	
<b>Disaster-related experiences</b>	<b>Death of family members</b>	945 (35.0)	87 (16.1)	83 (6.8)	<0.001	1494 (41.7)	157 (15.6)	144 (6.3)	<0.001	
<b>Marital status</b>	<b>Single (2015)</b>	950 (35.2)	162 (30.1)	215 (17.8)	<0.001	1495 (41.8)	385 (38.3)	655 (28.6)	<0.001	
<b>Life style</b>	<b>Current smokers</b>	392 (14.5)	228 (31.8)	393 (24.8)	<0.001	589 (16.5)	87 (6.7)	150 (5.1)	0.037	
	<b>Drinkers</b>	392 (14.5)	481 (67.0)	987 (62.2)	0.027	589 (16.5)	185 (14.4)	415 (14.2)	0.918	
	<b>Low physical activity</b>	398 (14.8)	271 (37.8)	462 (29.2)	<0.001	615 (17.2)	407 (31.8)	673 (23.2)	0.001	
	<b>Small number of meals (&lt;3 times)</b>	413 (15.3)	67 (9.4)	85 (5.4)	<0.001	627 (17.5)	73 (5.7)	131 (4.5)	0.103	
	<b>Poor dietary intake</b>	392 (14.5)	392 (54.6)	696 (43.9)	<0.001	587 (16.4)	450 (34.9)	912 (31.3)	0.021	
<b>Socioeconomic status</b>	<b>Severe economic status</b>	399 (14.8)	403 (56.3)	643 (40.6)	<0.001	602 (16.8)	698 (54.4)	1109 (38.1)	<0.001	
	<b>Unemployment (2015)</b>	961 (35.6)	278 (52.3)	633 (52.6)	0.902	1515 (42.3)	671 (67.1)	1524 (66.9)	0.898	
<b>Psychological factors</b>	<b>Psychological distress</b>	418 (15.5)	228 (32.2)	350 (22.3)	<0.001	652 (18.2)	545 (42.9)	949 (33.0)	<0.001	
	<b>Insomnia</b>	421 (15.6)	166 (23.4)	253 (16.1)	<0.001	649 (18.1)	434 (34.3)	751 (26.1)	<0.001	
<b>Social factors</b>	<b>Low level of social network</b>	434 (16.1)	322 (45.5)	688 (44.2)	0.556	672 (18.8)	557 (43.9)	1265 (44.3)	0.813	
	<b>Low level of social capital</b>	401 (14.9)	76 (10.6)	173 (10.9)	0.835	610 (17.0)	126 (9.8)	275 (9.5)	0.721	
<b>Cardiovascular risk factors</b>	<b>Obesity</b>	392 (14.5)	283 (39.4)	557 (35.1)	0.046	596 (16.6)	399 (31.0)	822 (28.2)	0.069	
	<b>Hypertension</b>	395 (14.6)	365 (50.9)	852 (53.8)	0.205	599 (16.7)	564 (43.9)	1221 (41.9)	0.232	
	<b>Dyslipidemia</b>	395 (14.6)	256 (35.7)	490 (30.9)	0.023	599 (16.7)	605 (47.1)	1385 (47.6)	0.783	

37 Continuous variables indicate mean (standard deviation), categorical variables indicate the number of case (%).

38 P-values were calculated using the Student t tests for continuous variables and the Chi square test for categorical variables.

39 Abbreviations: non-TH, non-temporary housing group; TH, temporary housing group; SD, standard deviation.

40 Supplementary Table S5 (B). Baseline characteristics of participants in the 2013 survey (n=7,491)

		Men (n=2697)				Women (n=4794)				
		Missing	TH group (n=853)	Non-TH group (n=1844)		Missing	TH group (n=1519)	Non-TH group (n=3275)		
		n (%)	Mean (SD)/ n (%)	Mean (SD)/ n (%)	P Value	n (%)	Mean (SD)/ (%)	n	Mean (SD)/ n (%)	P-value
<b>Age</b>	<b>Age (yr)</b>	550 (20.4)	64.0 (13.0)	66.7 (12.6)	<0.001	867 (24.2)	63.0 (13.8)		63.4 (12.8)	0.381
<b>Disaster-related experiences</b>	<b>Death of family members</b>	954 (35.4)	76 (16.0)	87 (6.9)	<0.001	1482 (41.4)	141 (15.6)		156 (6.5)	<0.001
<b>Marital status</b>	<b>Single (2015)</b>	958 (35.5)	135 (28.5)	232 (18.3)	<0.001	1483 (41.4)	363 (40.1)		680 (28.3)	<0.001
<b>Life style</b>	<b>Current smokers</b>	550 (20.4)	393 (67.4)	939 (60.0)	<0.001	867 (24.2)	71 (6.7)		127 (4.4)	0.004
	<b>Drinkers</b>	550 (20.4)	393 (67.4)	939 (60.0)	0.002	867 (24.2)	0 (92400.0)		0 (247200.0)	0.619
	<b>Low physical activity</b>	551 (20.4)	155 (26.6)	285 (18.2)	<0.001	854 (23.9)	207 (19.3)		362 (12.6)	<0.001
	<b>Small number of meals (&lt;3 times)</b>	572 (21.2)	49 (8.5)	87 (5.6)	0.014	912 (25.5)	56 (5.3)		105 (3.7)	0.024
	<b>Poor dietary intake</b>	556 (20.6)	270 (46.2)	604 (38.8)	0.002	869 (24.3)	331 (31.1)		733 (25.6)	0.001
<b>Socioeconomic status</b>	<b>Severe economic status</b>	545 (20.2)	340 (58.1)	585 (37.3)	<0.001	849 (23.7)	597 (55.8)		983 (34.2)	<0.001
	<b>Unemployment (2015)</b>	972 (36.0)	234 (50.4)	673 (53.4)	0.278	1501 (41.9)	591 (65.7)		1618 (67.6)	0.315
<b>Psychological factors</b>	<b>Psychological distress</b>	567 (21.0)	160 (27.9)	331 (21.3)	0.001	895 (25.0)	429 (40.9)		831 (29.1)	<0.001
	<b>Insomnia</b>	577 (21.4)	134 (23.1)	256 (16.6)	0.001	888 (24.8)	353 (33.4)		726 (25.5)	<0.001
<b>Social factors</b>	<b>Low level of social network</b>	581 (21.5)	214 (37.3)	534 (34.6)	0.257	907 (25.3)	410 (38.9)		1014 (35.8)	0.074
	<b>Low level of social capital</b>	561 (20.8)	62 (10.7)	188 (12.1)	0.355	884 (24.7)	101 (9.5)		318 (11.2)	0.150
<b>Cardiovascular risk factors</b>	<b>Obesity</b>	550 (20.4)	241 (41.3)	519 (33.2)	<0.001	872 (24.4)	324 (30.5)		811 (28.4)	0.187
	<b>Hypertension</b>	545 (20.2)	304 (52.0)	871 (55.6)	0.134	845 (23.6)	489 (45.7)		1207 (41.9)	0.033
	<b>Dyslipidemia</b>	545 (20.2)	231 (39.5)	564 (36.0)	0.135	845 (23.6)	576 (53.8)		1563 (54.3)	0.797

41 Continuous variables indicate mean (standard deviation), categorical variables indicate the number of case (%).

42 P-values were calculated using the Student t tests for continuous variables and the Chi square test for categorical variables.

43 Abbreviations: non-TH, non-temporary housing group; TH, temporary housing group; SD, standard deviation.



44 Supplementary Table S5 (C). Baseline characteristics of participants in the 2014 survey (n=7,491)

		Men (n=2697)				Women (n=4794)				
		Missing	TH group (n=853)	Non-TH group (n=1844)		Missing	TH group (n=1519)	Non-TH group (n=3275)		
		n (%)	Mean (SD)/ n (%)	Mean (SD)/ n (%)	P Value	n (%)	Mean (SD)/ (%)	n	Mean (SD)/ n (%)	P-value
<b>Age</b>	<b>Age (yr)</b>	654 (24.2)	64.0 (13.0)	66.7 (12.6)	<0.001	1060 (29.6)	63.0 (13.8)		63.4 (12.8)	0.381
<b>Disaster-related experiences</b>	<b>Death of family members</b>	896 (33.2)	66 (15.9)	101 (7.3)	<0.001	1455 (40.6)	120 (15.4)		180 (7.0)	<0.001
<b>Marital status</b>	<b>Single (2015)</b>	901 (33.4)	127 (30.6)	258 (18.7)	<0.001	1455 (40.6)	327 (41.9)		729 (28.5)	<0.001
<b>Life style</b>	<b>Current smokers</b>	654 (24.2)	134 (28.6)	341 (21.7)	0.002	1060 (29.6)	52 (6.0)		135 (4.7)	0.127
	<b>Drinkers</b>	654 (24.2)	297 (63.5)	966 (61.3)	0.405	1060 (29.6)	113 (13.0)		387 (13.5)	0.725
	<b>Low physical activity</b>	629 (23.3)	112 (23.6)	268 (16.8)	0.001	1036 (28.9)	152 (17.4)		306 (10.6)	<0.001
	<b>Small number of meals (&lt;3 times)</b>	643 (23.8)	48 (10.3)	86 (5.4)	<0.001	1064 (29.7)	49 (5.7)		109 (3.8)	0.018
	<b>Poor dietary intake</b>	658 (24.4)	212 (45.5)	611 (38.8)	0.010	1094 (30.6)	264 (30.5)		772 (27.2)	0.059
<b>Socioeconomic status</b>	<b>Severe economic status</b>	628 (23.3)	266 (56.1)	617 (38.7)	<0.001	1035 (28.9)	484 (55.3)		1018 (35.3)	<0.001
	<b>Unemployment (2015)</b>	919 (34.1)	198 (48.9)	716 (52.1)	0.249	1475 (41.2)	518 (66.7)		1697 (66.8)	0.962
<b>Psychological factors</b>	<b>Psychological distress</b>	641 (23.8)	133 (28.2)	275 (17.4)	<0.001	1078 (30.1)	292 (33.7)		761 (26.7)	<0.001
	<b>Insomnia</b>	652 (24.2)	112 (24.0)	228 (14.4)	<0.001	1076 (30.1)	258 (29.9)		651 (22.8)	<0.001
<b>Social factors</b>	<b>Low level of social network</b>	675 (25.0)	183 (39.6)	521 (33.4)	0.014	1110 (31.0)	322 (37.8)		954 (33.7)	0.025
	<b>Low level of social capital</b>	634 (23.5)	69 (14.6)	188 (11.8)	0.110	1054 (29.4)	99 (11.4)		282 (9.8)	0.184
<b>Cardiovascular risk factors</b>	<b>Obesity</b>	654 (24.2)	181 (38.7)	538 (34.2)	0.072	1068 (29.8)	283 (32.8)		823 (28.8)	0.024
	<b>Hypertension</b>	627 (23.2)	223 (46.9)	879 (55.1)	0.002	1031 (28.8)	410 (46.9)		1258 (43.6)	0.085
	<b>Dyslipidemia</b>	627 (23.2)	198 (41.7)	605 (37.9)	0.141	1031 (28.8)	486 (55.5)		1535 (53.2)	0.214

45 Continuous variables indicate mean (standard deviation), categorical variables indicate the number of case (%).

46 P-values were calculated using the Student t tests for continuous variables and the Chi square test for categorical variables.

47 Abbreviations: non-TH, non-temporary housing group; TH, temporary housing group; SD, standard deviation.

48 Supplementary Table S5 (D). Baseline characteristics of participants in the 2015 survey (n=7,491)

		Men (n=2697)				Women (n=4794)				
		Missing	TH group (n=853)	Non-TH group (n=1844)		Missing	TH group (n=1519)	Non-TH group (n=3275)		
		n (%)	Mean (SD)/ n (%)	Mean (SD)/ n (%)	P Value	n (%)	Mean (SD)/ (%)	n	Mean (SD)/ n (%)	P-value
<b>Age</b>	<b>Age (yr)</b>	713 (26.4)	64.8 (12.4)	68.1 (12.4)	<0.001	1127 (31.5)	65.0 (13.3)		65.1 (12.2)	0.820
<b>Disaster-related experiences</b>	<b>Death of family members</b>	689 (25.5)	67 (17.9)	126 (7.7)	<0.001	1093 (30.5)	110 (15.2)		220 (7.4)	<0.001
<b>Marital status</b>	<b>Single (2015)</b>	695 (25.8)	126 (33.7)	313 (19.2)	<0.001	1093 (30.5)	312 (43.2)		877 (29.4)	<0.001
<b>Life style</b>	<b>Current smokers</b>	713 (26.4)	99 (26.7)	356 (22.1)	0.057	1127 (31.5)	45 (6.3)		126 (4.3)	0.021
	<b>Drinkers</b>	713 (26.4)	236 (63.6)	976 (60.5)	0.269	1127 (31.5)	109 (15.3)		390 (13.2)	0.150
	<b>Low physical activity</b>	897 (33.3)	82 (23.8)	228 (15.7)	<0.001	1461 (40.8)	120 (18.2)		249 (9.3)	<0.001
	<b>Small number of meals (&lt;3 times)</b>	713 (26.4)	45 (12.1)	83 (5.1)	<0.001	1118 (31.2)	36 (5.0)		95 (3.2)	0.018
	<b>Poor dietary intake</b>	719 (26.7)	191 (51.5)	596 (37.1)	<0.001	1128 (31.5)	212 (29.8)		714 (24.2)	0.002
<b>Socioeconomic status</b>	<b>Severe economic status</b>	694 (25.7)	365 (97.3)	1568 (96.3)	0.333	1096 (30.6)	709 (98.1)		2885 (97.0)	0.112
	<b>Unemployment (2015)</b>	714 (26.5)	178 (48.8)	841 (52.0)	0.268	1119 (31.3)	472 (65.8)		1941 (65.6)	0.915
<b>Psychological factors</b>	<b>Psychological distress</b>	703 (26.1)	100 (26.8)	295 (18.2)	<0.001	1128 (31.5)	254 (35.7)		788 (26.7)	<0.001
	<b>Insomnia</b>	710 (26.3)	71 (19.1)	231 (14.3)	0.019	1127 (31.5)	217 (30.3)		651 (22.1)	<0.001
<b>Social factors</b>	<b>Low level of social network</b>	936 (34.7)	142 (42.1)	478 (33.6)	0.003	1533 (42.8)	246 (38.5)		891 (34.0)	0.032
	<b>Low level of social capital</b>	695 (25.8)	48 (12.8)	202 (12.4)	0.822	1130 (31.6)	73 (10.2)		291 (9.9)	0.795
<b>Cardiovascular risk factors</b>	<b>Obesity</b>	713 (26.4)	157 (42.3)	554 (34.3)	0.004	1131 (31.6)	215 (30.1)		848 (28.8)	0.474
	<b>Hypertension</b>	687 (25.5)	182 (48.4)	931 (57.0)	0.003	1091 (30.5)	345 (47.7)		1315 (44.1)	0.082
	<b>Dyslipidemia</b>	687 (25.5)	161 (42.8)	577 (35.3)	0.006	1091 (30.5)	366 (50.6)		1486 (49.9)	0.715

49 Continuous variables indicate mean (standard deviation), categorical variables indicate the number of case (%).

50 P-values were calculated using the Student t tests for continuous variables and the Chi square test for categorical variables.

51 Abbreviations: non-TH, non-temporary housing group; TH, temporary housing group; SD, standard deviation

52 **Supplementary Table S6. The number of participants and the number of events in categorical**  
 53 **variables**  
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		Men (n=2698)			Women (n=4794)		
		Missing	Participants	Event	Missing	Participants	Event
		n (%)	(n=2698)	(n=222)	n (%)	(n=4794)	(n=238)
			n	n		n	n
<b>Living conditions</b>	<b>Temporary housing group</b>	0 (0.0)	853	81	0 (0.0)	1519	77
	<b>Non-temporary housing group</b>		1844	141		3275	161
<b>Disaster influence</b>	<b>Death of family members</b>	685 (25.4)	194	14	1079 (22.5)	333	29
	<b>No death of family members</b>		1818	167		3382	167
<b>Marital status</b>	<b>Single (2015)</b>	691 (25.6)	440	30	1079 (22.5)	1193	63
	<b>Married</b>		1566	151		2522	133
<b>Life style</b>	<b>Current smokers</b>	0 (0.0)	782	69	0 (0.0)	309	10
	<b>Non-current smokers</b>		1915	153		4485	228
	<b>Drinkers</b>	0 (0.0)	1737	145	0 (0.0)	680	29
	<b>Non-drinkers</b>		960	77		4114	209
	<b>Low physical activity</b>	14 (0.5)	1622	132	38 (0.8)	3233	170
	<b>Normal physical activity</b>		1061	88		1523	68
	<b>Small number of meals (&lt; 3 times)</b>	19 (0.7)	181	8	25 (0.5)	240	2
	<b>Normal number of meals (≥3 times)</b>		2497	213		4529	235
	<b>Poor dietary intake</b>	0 (0.0)	1131	80	0 (0.0)	1513	64
	<b>Good dietary intake</b>		1566	142		3281	174
<b>Socioeconomic status</b>	<b>Severe economic status</b>	9 (0.3)	1421	124	11 (0.2)	2420	111
	<b>General economic status</b>		1267	98		2363	126
	<b>Unemployment (2015)</b>	710 (26.3)	1023	101	1105 (23.0)	2425	148
	<b>Employment</b>		964	80		1264	47
<b>Psychological factors</b>	<b>Psychological distress</b>	27 (1.0)	969	76	101 (2.1)	2199	99
	<b>No psychological distress</b>		1701	143		2494	133
	<b>Insomnia</b>	29 (1.1)	682	52	78 (1.6)	1814	86
	<b>No insomnia</b>		1986	169		2902	145
<b>Social factors</b>	<b>Low level of social network</b>	56 (2.1)	1111	85	102 (2.1)	1890	99
	<b>High level of social network</b>		1530	131		2802	134

<b>Cardiovascular risk factors</b>	<b>Low level of social capital</b>	6 (0.2)	285	25	16 (0.3)	394	22
	<b>High level of social capital</b>		2406	195		4384	214
	<b>Obesity</b>	0 (0.0)	981	87	10 (0.2)	1347	98
	<b>No Obesity</b>		1716	135		3437	140
	<b>Hypertension</b>	0 (0.0)	1355	144	0 (0.0)	1977	154
	<b>No hypertension</b>		1342	78		2817	84
	<b>Dyslipidemia</b>	0 (0.0)	905	87	0 (0.0)	2227	142
	<b>No dyslipidemia</b>		1792	135		2567	96

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55 Variables indicate the number of case.

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