Supplementary table 1. Population Vulnerability to Extreme Cold Days and Extreme Heat Days in Rural and Urban Municipalities in Ten Provinces in Spain. The vulnerability data for extreme heat days comes from (López-Bueno et al., 2021). Isocode is a meaningless numerical code that identifies each different isoclimatic zone.

Iscode	Urban	Vulnerability to cold	Vulnerability to heat
614101	0	0	0
614102	0	20	5
614102	1	20	16
614103	0	17	4
625001	0	0	0
625002	0	25	27
625003	0	34	9
625003	1	34	2
633301	0	18	4
633303	0	3	13
633304	0	24	5
633304	1	24	5
633305	0	0	8
674701	0	10	10
674701	1	10	0
690801	0	12	0
690802	0	18	13
690803	0	29	22
690803	1	29	7
690804	0	40	4
690804	1	19	16
700601	0	19	3
700601	1	19	25
700602	0	22	0
700603	0	35	7
700604	0	14	20
713201	0	4	0
713202	0	2	0
713202	1	31	10
713203	0	19	1
713204	0	1	0
722801	0	16	17
722802	0	12	2
722802	1	27	26
722803	0	18	24
752001	0	1	7
752001	1	5	11
752002	0	33	2
770301	0	25	0
770302	0	27	13
770303	0	28	29
770303	1	28	0

```
Paired t-test


data:  Vulnerability to cold and
Vulnerability to heat.

t = 4.9611,

df = 41,

p-value = 6.355e-06

alternative hypothesis: true difference in
means is greater than 0

95 percent confidence interval: (6.37, ∞)

mean of the differences: 9.64%.
```

López-Bueno, J. A., Navas-Martín, M. A., Díaz, J., Mirón, I. J., Luna, M. Y., Sánchez-Martínez, G., Culqui, D., & Linares, C. (2021). Analysis of vulnerability to heat in rural and urban areas in Spain: What factors explain Heat's geographic behavior? *Environmental Research*, 112213. https://doi.org/10.1016/j.envres.2021.112213

Supplementary table 2. Statistics related to figure 2.

Temperature	mean	sd	n	ET	Lower limit	Upper limit
-2	0.223	0.491	44	0.0740	0.0779	0.3679
0	0.224	0.410	137	0.0350	0.1555	0.2928
2	0.083	0.477	316	0.0268	0.0300	0.1352
4	-0.009	0.540	413	0.0266	-0.0608	0.0435
6	-0.054	0.536	503	0.0239	-0.1010	-0.0073
8	-0.069	0.486	396	0.0244	-0.1170	-0.0213
10	-0.083	0.470	224	0.0314	-0.1447	-0.0216
12	-0.089	0.402	60	0.0520	-0.1907	0.0130
14	-0.084	0.332	12	0.0960	-0.2718	0.1045
Media estacional	-0.01	0.51	2112	0.01	-0.03	0.01

Supplementary table 3. Full-model output.

a

Information criterion

Looklikelihood ratio	246,787
Akaike Information Criterion	252,787
Hurvich & Tsai Information Criterion (AICC)	253,929
Bozdogan Criterion (CAIC)	259,443
Bayesian Information Criterion	256,443

b

Fixed effect estimation

						95%IC	
Parameter	β	SE	df	t	Sig.	Lower limit	Upper limit
Intercept	37,870811	172,252586	14,829	,220	,829	-329,645812	405,387435
Winter tmin	1,983252	,975541	15,491	2,033	,060	-,090338	4,056842
BPP	5,886415	7,184498	16,398	,819	,424	-9,314050	21,086880
Deprivation	2,795289	56,585440	14,099	,049	,961	-118,488750	124,079328
Unemploiment	,027047	1,367903	21,414	,020	,984	-2,814316	2,868410
Temporary workers	-,970636	1,126559	12,183	-,862	,406	-3,421104	1,479832
Manual workers	,190738	,891132	10,944	,214	,834	-1,771865	2,153341
Unskilled workers	,383816	1,661420	9,891	,231	,822	-3,323575	4,091208
Unskilled young people	,375323	,970443	24,999	,387	,702	-1,623348	2,373994
Rurality	1,302475	5,331400	23,061	,244	,809	-9,724758	12,329707
65<	-,809372	,906961	23,206	-,892	,381	-2,684644	1,065900
Dewelling in decline (DD)	-,934551	1,336429	20,077	-,699	,492	-3,721610	1,852509
Good thermal Inertia (GTI)	-,425224	,347639	19,298	-1,223	,236	-1,152081	,301633
Deficient thermal Inertia (DTI)	,136618	,273213	14,767	,500	,624	-,446524	,719760

Dependent variable: Pthreshold. The variable named “Without internet” is out of the model due to collinearity.

Supplementary table 4. Stepwise regression model.

a

Information criterion

Akaike Information Criterion	317,164
Hurvich & Tsai Information Criterion (AICC)	323,164
Bozdogan Criterion (CAIC)	323,830
Bayesian Information Criterion	331,230
Akaike Information Criterion	328,230

b

Fixed effect estimation

						95%CI	
Parameter	β	ES	df	t	Sig.	Lower limit	Upper limit
IR2001	-6,201740	2,107925	37,693	-2,942	,006	-10,470153	-1,933326
desempleo	,421447	,088664	15,295	4,753	,000	,232781	,610114

Dependent variable: Pthreshold