

Residential Surrounding Greenspace and Mental Health in Three Spanish Areas

Maria Torres Toda^{1,2,3}, Asier Anabitarte Riola^{4,5}, Marta Cirach^{1,2,3}, Marisa Estarlich^{3,6,7}, Ana Fernández-Somoano^{3,8,9}, Lúcia González-Safont^{3,6}, Mònica Guxens^{1,2,3,10}, Jordi Julvez^{11,1,3}, Isolina Riaño-Galán^{3,9,12}, Jordi Sunyer^{1,2,3,13} and Payam Dadvand^{1,2,3,*}

- ¹ Barcelona Institute for Global Health (ISGlobal), 08003 Barcelona, Spain; maria.torres@isglobal.org (M.T.T.); marta.cirach@isglobal.org (M.C.); monica.guxens@isglobal.org (M.G.); jordi.sunyer@isglobal.org (J.S.); payam.dadvand@isglobal.org (P.D.)
- ² Campus del Mar, Pompeu Fabra University (UPF), 08003 Barcelona, Spain
- ³ Spanish Consortium for Research on Epidemiology and Public Health (CIBERESP), 28029 Madrid, Spain; estarlich_mar@gva.es (M.E.); fernandezsana@uniovi.es (A.F.-S.); gonzalez_llu@gva.es (L.G.-S.); isogalan@yahoo.es (I.R.-G.)
- ⁴ Biodonostia Health Research Institute, Environmental Epidemiology and Child Development Group, 20014 San Sebastian, Spain; a-anabitarteriol@euskadi.eus (A.A.R.)
- ⁵ University of the Basque Country (UPV/EHU), Preventative Medicine and Public Health Department, Faculty of Medicine, 48940 Leioa, Spain
- ⁶ Epidemiology and Environmental Health Joint Research Unit, FISABIO-Universitat Jaume I-Universitat de València, 46010 Valencia, Spain
- ⁷ Department of Infirmary and Chiropody, Universitat de València, 46010 Valencia, Spain
- ⁸ Unit of Molecular Cancer Epidemiology, University Institute of Oncology of the Principality of Asturias (IUOPA) – Department of Medicine, University of Oviedo, 33006 Oviedo, Spain
- ⁹ Instituto de Investigación Sanitaria del Principado de Asturias (ISPA), 33011 Oviedo, Spain
- ¹⁰ Department of Child and Adolescent Psychiatry/Psychology, Erasmus University Medical Centre–Sophia Children’s Hospital, 3015 Rotterdam, The Netherlands
- ¹¹ Institut d’Investigació Sanitària Pere Virgili (IISPV), Hospital Universitari Sant Joan de Reus, 43204 Reus, Spain; jordi.julvez@isglobal.org (J.J.)
- ¹² Servicio de Pediatría. Endocrinología, Hospital Universitario Central de Asturias (HUCA), 33011 Oviedo, Spain
- ¹³ Municipal Institute of Medical Research (IMIM-Hospital del Mar), 08003 Barcelona, Spain
- * Correspondence: payam.dadvand@isglobal.org; Tel.: +34-93-214-73-29

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Table S1. Differences between excluded and included participants of the study.

Title	Excluded	Included	P value ^(b)
Nº of participants n (%)	1099 (57.6%)	1171 (42.4%)	
Age mean (SD)	33.8 (4.8)	34.8 (4)	0.00 **
Ethnicity			
White	1032 (93.9%)	896 (97.5%)	0.00 **
Others	67 (6%)	23 (2.5%)	
Maternal education			
Primary school	317 (31.4%)	258 (22.1%)	0.00**
Secondary school	401(39.7%)	490 (42%)	
University	291 (28.8%)	419 (35.9%)	
Smoking			
Yes	113 (26.7%)	315 (27.7%)	0.69
No	310 (73.3%)	821 (72.3%)	
Maternal alcohol consumption			
Yes	83 (9.8%)	112 (9.8%)	0.99

No	764 (90.2%)	1029 (90.2%)	
Marital Status			
Married	245 (88.1%)	909 (87.2%)	0.69
Others	33 (11.9%)	133 (12.8%)	
IQ mean (SD)	10.1 (3.0)	10.1 (3.0)	0.95
Neighborhood Socioeconomic Status ^(a) mean (SD)	0.5 (0.2)	0.5 (0.2)	0.10

^(a)Urban Vulnerability Index. ^(b) Chi square test (categorical variables), Wilcoxon rank-sum test (continuous variables). p value<0.05**.

Table S2. Adjusted logistic regression models for each buffer of the average of residential surrounding greenspace at delivery and at 4-year follow-up, and risk of anxiety symptom dimension of the SCL-90-R. Odds Ratio (OR) and 95% confidence intervals (95% CI) for 1-IQR increase in each continuous indicator of residential surrounding greenspace.

Title	100m buffer	300m buffer	500m buffer
Excluding single parents			
Adjusted ^(a)	0.80 (0.56, 1.14)	0.67 (0.45,1.01)	0.65 (0.43,0.98)
Excluding non-white participants			
Adjusted	0.81 (0.58,1.13)	0.68 (0.46, 0.99) **	0.66 (0.44,0.97) **
Adjusted for alcohol consumption during pregnancy			
Adjusted	0.83 (0.59,1.16)	0.67 (0.45, 0.99)**	0.64 (0.43, 0.95) **
Adjusted for smoking during pregnancy			
Adjusted	0.83 (0.59,1.15)	0.68 (0.46, 1.00)	0.66 (0.44, 0.98) **
Adjusted for second hand smoking			
Adjusted	0.83 (0.60,1.16)	0.69 (0.47,1.02)	0.67 (0.45,0.99) **

^(a)Adjusted for age, smoking, urban vulnerability index, educational attainment and IQ. p- value<0.05**.

Table S3. Adjusted and unadjusted logistic regression models for each buffer of residential surrounding greenspace at 4-year follow-up, and risk of each symptomatic dimension of the SCL-90-R. Odds Ratio (OR) and 95% confidence intervals (95% CI) for 1-IQR increase in each continuous indicator of residential surrounding greenspace.

Title	100m buffer	300m buffer	500 m buffer
Global Severity Index			
Unadjusted	0.92 (0.70,1.20)	0.84 (0.64,1.12)	0.85 (0.65,1.12)
Adjusted ^(a)	0.95 (0.70,1.29)	0.86 (0.62,1.20)	0.86 (0.62,1.19)
Somatization			
Unadjusted	0.70 (0.53,0.93) **	0.66 (0.49,0.89) **	0.69 (0.52,0.92) **
Adjusted	0.63 (0.45,0.89) **	0.62 (0.43,0.88) **	0.64 (0.45,0.92) **
Obsessive-Compulsive			
Unadjusted	0.94 (0.75,1.17)	0.85 (0.66,1.09)	0.83 (0.65,1.07)
Adjusted	0.95 (0.74,1.22)	0.84 (0.63,1.12)	0.82 (0.62,1.10)
Interpersonal sensivity			
Unadjusted	1.14 (0.93,1.39)	1.17 (0.93,1.46)	1.17 (0.93,1.46)
Adjusted	1.16 (0.92,1.46)	1.20 (0.93,1.56)	1.21 (0.93,1.57)
Depression			
Unadjusted	0.91 (0.68, 1.22)	0.87 (0.63,1.18)	0.84 (0.62,1.13)

Adjusted	0.93 (0.68, 1.27)	0.90 (0.64,1.26)	0.87 (0.62,1.22)
Anxiety			
Unadjusted	0.87 (0.68,1.13)	0.76 (0.57,1.03)	0.78 (0.58,1.04)
Adjusted	0.82 (0.59,1.13)	0.67 (0.46,0.98) **	0.68 (0.47,0.99) **
Hostility			
Unadjusted	1.01 (0.82,1.25)	0.95 (0.75,1.22)	0.90 (0.70,1.15)
Adjusted	1.06 (0.84,1.34)	0.98 (0.75,1.30)	0.92 (0.69,1.21)
Phobic Anxiety			
Unadjusted	0.87 (0.68,1.12)	0.92 (0.71,1.20)	0.98 (0.76,1.27)
Adjusted	0.91 (0.69,1.21)	0.98 (0.72,1.34)	1.04 (0.77,1.41)
Paranoid Ideation			
Unadjusted	1.02 (0.78,1.34)	1.00 (0.74,1.34)	1.01 (0.75,1.36)
Adjusted	1.04 (0.77,1.41)	1.05 (0.75,1.47)	1.05 (0.75,1.48)
Psychoticism			
Unadjusted	1.00 (0.81,1.23)	1.00 (0.79,1.26)	1.02 (0.81,1.28)
Adjusted	0.96 (0.75,1.23)	0.96 (0.72,1.27)	0.99 (0.75,1.30)

(a)Adjusted for age, smoking, urban vulnerability index, educational attainment and IQ. p- value<0.05 **.

Table S4. Adjusted and Unadjusted logistic regression models for each buffer of the average of residential surrounding greenspace at delivery and at 4-year follow-up, and risk of anxiety symptom dimension of the SCL-90-R. Odds Ratio (OR) and 95% confidence intervals (95% CI) for 1-IQR increase in each continuous indicator of residential surrounding greenspace stratified by age and by maternal educational attainment. .

Title	100m buffer	300m buffer	500m buffer
Stratified by age			
Less than 35 years old			
Unadjusted	0.93 (0.64,1.34)	0.83 (0.55,1.26)	0.80 (0.52,1.22)
Adjusted ^(a)	1.01 (0.66,1.53)	0.86 (0.53,1.39)	0.80 (0.49,1.32)
More or equal to 35 years old			
Unadjusted	0.82 (0.55,1.22)	0.72 (0.46,1.13)	0.73 (0.47,1.15)
Adjusted ^(a)	0.65 (0.36,1.15)	0.53 (0.27,1.02)	0.55 (0.29,1.05)
Stratified by educational attainment			
Primary school or lower			
Unadjusted	1.07 (0.62,1.87)	0.94 (0.49,1.79)	0.84 (0.43,1.63)
Adjusted ^(b)	0.83 (0.40,1.74)	0.84 (0.39,1.79)	0.53 (0.21,1.33)
High school			
Unadjusted	0.70 (0.39,1.23)	0.56 (0.29,1.06)	0.59 (0.31,1.12)
Adjusted ^(b)	0.81 (0.46,1.43)	0.61 (0.32,1.18)	0.67 (0.34,1.32)
University or higher			
Unadjusted	1.30 (0.72,2.34)	1.16 (0.58,2.31)	1.13 (0.54,2.37)
Adjusted ^(b)	1.22 (0.55,2.71)	0.92 (0.42,2.01)	0.86 (0.31,2.33)

(a)Adjusted for smoking, urban vulnerability index, educational attainment and IQ. (b)Adjusted for age, smoking, urban vulnerability index and IQ.