

Supplementary Material 2

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Table 1: Descriptive statistics

Variable and category	Full sample		WEMWBS ^a		Life sat ^b		CMD ^c	Time outdoors ^d		Time walking ^e	
	Unweighted counts	Weighted %	Weighted Mean	Weighted SD	Weighted Mean	Weighted SD	Weighted %	Weighted Mean	Weighted SD	Weighted Mean	Weighted SD
Full sample	NA	NA	50.87	9.44	7.76	1.86	14.49	136.64	156.04	89.99	150.80
EVI											
0 - <0.2	679	10.75	50.89	9.21	7.70	1.82	16.04	140.49	148.07	96.23	103.04
0.2 - <0.4	3494	57.87	51.14	9.18	7.77	1.83	14.90	145.75	158.22	88.02	103.24
0.4 - <0.6	1577	27.31	50.92	9.42	7.92	1.71	13.37	149.16	158.62	100.67	134.41
0.6 - <0.8	221	4.07	53.23	7.63	8.00	1.71	12.01	169.01	161.01	127.09	157.91
GBS proximity (m)											
0 - <100	1763	30.24	50.93	9.75	7.83	1.80	14.35	151.69	159.77	98.05	117.07
100 - <300	3088	51.51	51.21	9.06	7.81	1.78	15.22	144.83	156.35	98.36	117.12
300 - <500	903	14.35	50.97	8.81	7.78	1.81	13.16	141.52	155.61	86.31	110.11
500 - 1100	217	3.89	52.51	7.84	7.93	1.76	10.73	161.12	159.33	77.45	94.06
Est. weekly leisure time outdoors (mins)											
0	1782	25.51	48.73	10.27	7.44	2.19	18.50	0	0	41.49	84.61
1-60	1256	21.24	51.11	8.49	7.94	1.69	15.55	35.77	17.90	76.39	106.26
61-120	700	13.42	51.03	8.53	7.73	1.61	11.05	97.85	19.19	105.58	114.71
121+	2233	39.82	52.74	8.70	8.02	1.56	12.50	317.26	108.16	144.35	126.12
Weekly time walking (mins)											
0	2145	63.36	49.99	9.54	7.57	1.91	16.45	112.70	145.04	0	0
1-60	165	4.98	51.53	8.20	8.19	1.78	9.69	90.74	128.64	39.04	17.74
61-120	148	4.12	52.43	6.85	8.24	1.30	13.70	129.16	128.58	102.57	18.19
121+	852	27.54	52.23	8.85	8.04	1.62	10.21	195.19	157.89	325.07	110.47
Urban status											
Urban	3899	63.60	50.92	9.26	7.77	1.81	15.81	137.82	153.55	93.02	113.04
Town & fringe	810	14.23	51.27	9.12	7.75	1.84	12.30	164.14	164.93	89.42	122.63
Village, hamlet & isolated dwellings	1262	22.17	51.70	9.03	8.00	1.71	12.08	162.63	161.46	108.89	116.67
WIMD quintiles											

<i>Q1 Most deprived</i>											
<i>20%</i>	1007	15.35	49.07	10.71	7.48	2.09	22.30	118.87	151.18	79.99	114.04
<i>Q2</i>	1157	20.77	51.28	8.82	7.80	1.75	13.78	142.04	154.75	90.94	111.06
<i>Q3</i>	1362	24.25	51.10	8.98	7.88	1.72	13.04	152.34	156.08	102.49	118.50
<i>Q4</i>	1225	20.48	51.42	9.09	7.82	1.80	13.50	148.91	157.79	98.53	116.05
<i>Q5 Least deprived</i>											
<i>20%</i>	1220	19.16	52.40	8.36	8.02	1.61	11.87	166.44	163.28	101.68	115.57
Gender											
<i>Female</i>	3355	52.07	50.62	50.62	7.80	7.80	19.19	136.95	136.95	93.54	93.54
<i>Male</i>	2616	47.93	51.71	51.71	7.83	7.83	9.38	158.05	158.05	98.15	98.15
Age											
<i>16-24</i>	344	12.65	50.74	8.27	7.85	1.67	8.52	160.37	151.43	116.22	120.19
<i>25-44</i>	1563	29.79	50.50	9.13	7.77	1.63	16.99	163.00	154.02	110.23	124.58
<i>45-64</i>	2059	34.13	50.76	9.64	7.66	1.97	17.02	149.65	161.98	83.98	111.01
<i>65-79</i>	1600	19.18	53.00	8.70	8.10	1.73	11.48	126.87	157.53	88.00	106.99
<i>80+</i>	405	4.25	51.47	9.82	8.01	1.85	7.93	66.24	124.81	55.49	87.42
Economic status											
<i>Employed</i>	2949	55.98	51.53	8.23	7.92	1.54	12.08	160.58	156.51	105.37	121.17
<i>Inactive</i>	2888	41.63	50.85	10.24	7.74	2.05	16.99	129.54	157.03	81.49	104.68
<i>Unemployed</i>	134	2.40	47.08	10.24	6.70	2.07	27.22	135.79	156.16	109.29	137.45
Deprivation status											
<i>Not in material deprivation</i>	5138	87.08	52.13	8.49	8.02	1.62	12.29	150.62	157.81	98.93	115.72
<i>In material deprivation</i>	833	12.92	44.46	10.85	6.45	2.25	29.26	123.11	152.85	75.69	111.70
Car use											
<i>No</i>	840	10.54	47.14	10.68	7.08	2.23	25.19	94.84	140.40	73.01	107.02
<i>Yes</i>	5131	89.46	51.61	8.89	7.90	1.71	13.22	153.22	158.20	98.46	116.14
Season											
<i>Spring</i>	1477	30.77	51.13	9.10	7.79	1.81	13.93	149.51	159.71	94.94	104.03
<i>Summer</i>	1209	23.68	51.48	9.25	7.78	1.76	15.34	157.64	159.15	88.43	117.03
<i>Autumn</i>	1629	24.58	51.23	9.25	7.91	1.77	13.30	153.12	156.55	104.83	122.61
<i>Winter</i>	1656	20.97	50.67	9.21	7.79	1.82	15.73	124.44	151.01	94.24	120.09

Survey wave											
2016-17	3318	55.93	50.78	9.26	7.76	1.82	14.27	134.93	151.96	95.71	154.25
2018-19	2653	44.07	51.60	9.10	7.89	1.75	14.77	162.46	162.85	NA	0

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- a. Warwick & Edinburgh Mental Well-being Scale (scale range 14-70); higher number indicates an increased sense of wellbeing
 - b. Life satisfaction (scale range 0-10); higher number indicates increased life satisfaction
 - c. Percentage with high likelihood of a Common Mental health Disorder
 - d. Derived leisure time spent outdoors per week (minutes)
 - e. Derived time spent walking at or above moderate activity threshold per week (minutes)

Some variables modelled as continuous are given here as categories for descriptive purposes

Table 2: Generalised linear model results predicting subjective wellbeing by EVI

Model terms	WEMWBS									Life satisfaction								
	Unadjusted			Adjusted			Adj. with urban			Unadjusted			Adjusted			Adj. with urban		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Intercept	52.10	50.81, 53.39	<0.001	50.54	48.84, 52.24	<0.001	50.65	48.94, 52.35	<0.001	7.88	7.63, 8.13	<0.001	8.05	7.72, 8.38	<0.001	8.05	7.71, 8.38	<0.001
EVI	-7.11	-14.27, 0.04	0.051	-9.69	-16.58, -2.79	0.006	-10.15	-17.13, -3.17	0.004	-0.88	-2.27, 0.52	0.218	-1.28	-2.62, 0.06	0.061	-1.16	-2.51, 0.19	0.093
EVI ²	10.97	1.51, 20.43	0.023	12.49	3.33, 21.66	0.008	12.49	3.02, 21.97	0.010	1.78	-0.07, 3.62	0.059	2.07	0.29, 3.85	0.023	1.69	-0.15, 3.53	0.072
WIMD quintiles																		
Q1 Most deprived 20% (ref)				—	—		—	—					—	—		—	—	
Q2				1.01	0.25, 1.77	0.010	0.96	0.20, 1.73	0.013				0.05	-0.09, 0.20	0.473	0.05	-0.10, 0.20	0.514
Q3				0.54	-0.21, 1.29	0.159	0.48	-0.28, 1.24	0.218				0.07	-0.08, 0.21	0.378	0.05	-0.10, 0.20	0.504
Q4				0.63	-0.15, 1.42	0.115	0.55	-0.24, 1.35	0.173				-0.05	-0.20, 0.10	0.517	-0.07	-0.22, 0.09	0.391
Q5 Least deprived 20%				1.27	0.47, 2.07	0.002	1.24	0.44, 2.04	0.002				0.09	-0.07, 0.24	0.272	0.08	-0.07, 0.24	0.295
Gender																		
Female (ref)				—	—		—	—					—	—		—	—	
Male				0.62	0.17, 1.07	0.007	0.63	0.18, 1.08	0.006				-0.05	-0.14, 0.03	0.222	-0.05	-0.14, 0.03	0.235
Age																		
16-24 (ref)				—	—		—	—					—	—		—	—	
25-44				-0.07	-0.85, 0.70	0.851	-0.07	-0.84, 0.71	0.869				-0.07	-0.22, 0.08	0.358	-0.07	-0.22, 0.08	0.392
45-64				-0.38	-1.13, 0.37	0.321	-0.39	-1.14, 0.36	0.309				-0.29	-0.44, 0.15	<0.001	-0.29	-0.44, 0.15	<0.001
65-79				2.04	1.19, 2.89	<0.001	2.03	1.18, 2.87	<0.001				0.20	0.03, 0.36	0.019	0.20	0.03, 0.36	0.019
80+				1.04	-0.25, 2.34	0.115	1.03	-0.26, 2.33	0.118				0.21	-0.04, 0.46	0.105	0.21	-0.05, 0.46	0.108
Economic status																		
Employed (ref)				—	—		—	—					—	—		—	—	
Inactive				-1.18	-1.77, 0.60	<0.001	-1.17	-1.76, 0.59	<0.001				-0.29	-0.41, 0.18	<0.001	-0.29	-0.40, 0.18	<0.001
Unemployed				-1.11	-2.62, 0.40	0.151	-1.11	-2.62, 0.40	0.149				-0.58	-0.87, 0.28	<0.001	-0.57	-0.86, 0.27	<0.001
Deprivation status																		
Not in material deprivation (ref)				—	—		—	—					—	—		—	—	
In material deprivation				-6.33	-7.05, 5.61	<0.001	-6.36	-7.08, 5.64	<0.001				-1.36	-1.50, 1.22	<0.001	-1.36	-1.50, 1.22	<0.001
Car use																		
No (ref)				—	—		—	—					—	—		—	—	

Table 3 Generalised linear modelling results predicting subjective wellbeing by proximity to nearest green or blue space for a) WEMWBS and b) Life satisfaction

Model terms	WEMWBS									Life satisfaction								
	Unadjusted			Adjusted			Adj. with urban			Unadjusted			Adjusted			Adj. with urban		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Yes				2.26	1.48, 3.05	<0.001	2.26	1.48, 3.05	<0.001				0.37	0.22, 0.52	<0.001	0.37	0.22, 0.52	<0.001
Season																		
Spring				-0.23	-0.84, 0.39	0.472	-0.25	-0.87, 0.36	0.423				-0.14	-0.26, 0.03	0.018	-0.15	-0.27, 0.03	0.014
Summer				0.34	-0.30, 0.98	0.295	0.33	-0.31, 0.97	0.313				-0.11	-0.23, 0.02	0.087	-0.11	-0.23, 0.01	0.084
Autumn (ref)				—	—		—	—					—	—		—	—	
Winter				-0.23	-0.90, 0.44	0.498	-0.23	-0.90, 0.43	0.489				-0.06	-0.19, 0.07	0.375	-0.06	-0.19, 0.07	0.355
Wave																		
2016-17 (ref)				—	—		—	—					—	—		—	—	
2018-19				0.68	0.21, 1.15	0.005	0.67	0.19, 1.15	0.006				0.13	0.04, 0.22	0.005	0.12	0.02, 0.21	0.014
Urban status																		
Urban (ref)				—	—		—	—					—	—		—	—	
Town & fringe							0.53	-0.16, 1.23	0.129							0.03	-0.11, 0.16	0.711
Village, hamlet & isolated dwellings							0.18	-0.48, 0.85	0.588							0.11	-0.02, 0.24	0.104
AIC	45,090			44,515			44,517			25,552			24,931			24,933		
No. Obs.	5,971			5,971			5,971			5,971			5,971			5,971		
R2	0.001			0.098			0.098			0.002			0.105			0.106		

Footnote: ¹CI = confidence Interval

a) WEMWBS												
Model terms	Unadjusted			Adjusted			Adj. with LA			Adj. with urban		
	Beta	95% CI [†]	p	Beta	95% CI [†]	p	Beta	95% CI [†]	p	Beta	95% CI [†]	p
Intercept	50.93	50.51, 51.36	<0.001	48.90	47.62, 50.17	<0.001	47.65	46.02, 49.28	<0.001	47.65	46.02, 49.28	<0.001
Proximity to nearest GBS (m)												
0 - <100 (ref)	—	—		—	—		—	—		—	—	
100 - <300	0.28	-0.25, 0.81	0.304	0.15	-0.36, 0.66	0.564	0.05	-0.46, 0.56	0.858	0.05	-0.46, 0.56	0.843
300 - <500	0.04	-0.71, 0.78	0.926	-0.23	-0.95, 0.49	0.534	-0.46	-1.19, 0.26	0.212	-0.47	-1.20, 0.26	0.206
500 - 1100	1.58	0.33, 2.84	0.014	0.74	-0.47, 1.95	0.230	0.29	-0.94, 1.51	0.645	0.28	-0.95, 1.51	0.654
WIMD quintiles												
Q1 Most deprived 20%	—	—		—	—		—	—		—	—	
Q2				0.96	0.20, 1.72	0.013	0.91	0.14, 1.68	0.020	0.90	0.13, 1.67	0.021
Q3				0.56	-0.18, 1.31	0.137	0.35	-0.42, 1.12	0.377	0.34	-0.44, 1.11	0.397
Q4				0.63	-0.14, 1.41	0.110	0.55	-0.27, 1.37	0.189	0.53	-0.30, 1.35	0.212
Q5 Least deprived 20%				1.22	0.42, 2.02	0.003	0.68	-0.14, 1.51	0.106	0.67	-0.16, 1.50	0.116
Gender												
Female (ref)	—	—		—	—		—	—		—	—	
Male				0.64	0.19, 1.09	0.005	0.68	0.23, 1.13	0.003	0.68	0.23, 1.13	0.003
Age												
16-24 (ref)	—	—		—	—		—	—		—	—	
25-44				-0.13	-0.91, 0.64	0.734	-0.15	-0.93, 0.62	0.701	-0.15	-0.93, 0.63	0.705
45-64				-0.43	-1.19, 0.32	0.257	-0.53	-1.28, 0.22	0.167	-0.53	-1.29, 0.22	0.163
65-79				1.96	1.11, 2.80	<0.001	1.85	1.01, 2.70	<0.001	1.85	1.00, 2.69	<0.001
80+				0.95	-0.35, 2.24	0.151	0.97	-0.32, 2.27	0.140	0.97	-0.32, 2.26	0.141
Economic status												
Employed (ref)	—	—		—	—		—	—		—	—	
Inactive				-1.17	-1.75, -0.59	<0.001	-1.14	-1.73, -0.56	<0.001	-1.14	-1.72, -0.55	<0.001
Unemployed				-1.02	-2.53, 0.50	0.188	-0.80	-2.31, 0.71	0.298	-0.80	-2.31, 0.71	0.300
Deprivation status												
Not in material deprivation (ref)	—	—		—	—		—	—		—	—	
In material deprivation				-6.35	-7.07, -5.63	<0.001	-6.44	-7.16, -5.72	<0.001	-6.44	-7.17, -5.72	<0.001
Car use												
No (ref)	—	—		—	—		—	—		—	—	
Yes				2.23	1.44, 3.01	<0.001	2.33	1.55, 3.11	<0.001	2.32	1.54, 3.10	<0.001
Season												
Spring				-0.19	-0.81, 0.42	0.538	-0.32	-0.94, 0.29	0.302	-0.33	-0.95, 0.28	0.290
Summer				0.36	-0.29, 1.00	0.276	0.23	-0.41, 0.88	0.472	0.23	-0.41, 0.87	0.478
Autumn (ref)	—	—		—	—		—	—		—	—	
Winter				-0.19	-0.85, 0.48	0.581	-0.32	-0.98, 0.35	0.348	-0.32	-0.98, 0.35	0.347
Wave												
2016-17(ref)	—	—		—	—		—	—		—	—	
2018-19				0.67	0.21, 1.12	0.004	0.65	0.20, 1.11	0.005	0.66	0.20, 1.11	0.005
Local authority												
Blaenau Gwent (ref)	—	—		—	—		—	—		—	—	
Bridgend							2.56	1.04, 4.09	<0.001	2.53	1.00, 4.06	0.001
Caerphilly							0.40	-1.04, 1.84	0.589	0.38	-1.06, 1.82	0.606
Cardiff							2.71	1.35, 4.08	<0.001	2.73	1.36, 4.09	<0.001
Carmarthenshire							0.27	-1.22, 1.75	0.723	0.22	-1.28, 1.72	0.777

<i>Ceredigion</i>					2.50	0.84, 4.16	0.003	2.41	0.70, 4.12	0.006
<i>Conwy</i>					2.47	0.75, 4.19	0.005	2.42	0.69, 4.16	0.006
<i>Denbighshire</i>					2.65	1.02, 4.28	0.001	2.61	0.97, 4.24	0.002
<i>Flintshire</i>					2.98	1.44, 4.53	<0.001	2.96	1.41, 4.51	<0.001
<i>Gwynedd</i>					2.59	1.00, 4.19	0.001	2.48	0.83, 4.14	0.003
<i>Isle of Anglesey</i>					3.32	1.64, 4.99	<0.001	3.21	1.49, 4.94	<0.001
<i>Merthyr Tydfil</i>					1.98	0.08, 3.87	0.041	1.97	0.08, 3.86	0.041
<i>Monmouthshire</i>					2.80	1.06, 4.54	0.002	2.77	1.02, 4.52	0.002
<i>Neath Port Talbot</i>					0.93	-0.68, 2.54	0.256	0.91	-0.70, 2.52	0.269
<i>Newport</i>					0.87	-0.60, 2.35	0.247	0.88	-0.60, 2.36	0.245
<i>Pembrokeshire</i>					0.93	-0.63, 2.49	0.245	0.84	-0.77, 2.44	0.306
<i>Powys</i>					0.51	-1.00, 2.03	0.509	0.43	-1.12, 1.99	0.584
<i>Rhondda Cynon Taf</i>					1.30	-0.16, 2.75	0.081	1.28	-0.17, 2.74	0.084
<i>Swansea</i>					1.69	0.33, 3.04	0.015	1.68	0.32, 3.04	0.016
<i>Torfaen</i>					-1.02	-2.64, 0.60	0.218	-1.03	-2.65, 0.60	0.216
<i>Vale of Glamorgan</i>					1.56	-0.05, 3.17	0.057	1.55	-0.06, 3.16	0.059
<i>Wrexham</i>					1.58	-0.05, 3.22	0.057	1.55	-0.09, 3.19	0.063
Urban status										
<i>Urban (ref)</i>	—	—	—	—	—	—		—	—	
<i>Town & fringe</i>								0.16	-0.56, 0.89	0.664
<i>Village, hamlet & isolated dwellings</i>								0.12	-0.53, 0.78	0.708
AIC	45,092		44,522		44,476			44,479		
No. Obs.	5,971		5,971		5,971			5,971		
R2	0.001		0.097		0.110			0.110		

Footnote¹CI = Confidence Interval

b) Life satisfaction												
Model terms	Unadjusted			Adjusted			Adj. with LA			Adj. with urban		
	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>
Intercept	7.83	7.74, 7.91	<0.001	7.91	7.66, 8.15	<0.001	7.93	7.61, 8.25	<0.001	7.93	7.61, 8.24	<0.001
Proximity to nearest GBS (m)												
0 - <100 (ref)	—	—		—	—		—	—		—	—	
100 - <300	-0.01	-0.12, 0.09	0.801	-0.03	-0.13, 0.07	0.529	-0.04	-0.14, 0.06	0.424	-0.04	-0.14, 0.06	0.486
300 - <500	-0.05	-0.20, 0.10	0.499	-0.09	-0.23, 0.05	0.201	-0.10	-0.25, 0.04	0.146	-0.10	-0.24, 0.04	0.159
500 - 1100	0.10	-0.15, 0.34	0.424	-0.05	-0.28, 0.18	0.671	-0.11	-0.35, 0.13	0.368	-0.11	-0.35, 0.13	0.356
WIMD quintiles												
Q1 Most deprived 20% (ref)	—	—		—	—		—	—		—	—	
Q2				0.05	-0.09, 0.20	0.470	0.04	-0.11, 0.19	0.561	0.05	-0.10, 0.20	0.551
Q3				0.09	-0.05, 0.24	0.213	0.06	-0.09, 0.21	0.414	0.06	-0.10, 0.21	0.473
Q4				-0.02	-0.17, 0.13	0.835	0.00	-0.16, 0.16	0.960	-0.02	-0.18, 0.15	0.853
Q5 Least deprived 20%				0.10	-0.06, 0.25	0.213	0.13	-0.03, 0.29	0.124	0.12	-0.04, 0.28	0.138
Gender												
Female (ref)	—	—		—	—		—	—		—	—	
Male				-0.05	-0.14, 0.03	0.239	-0.04	-0.13, 0.05	0.353	-0.04	-0.13, 0.05	0.345
Age												
16-24 (ref)	—	—		—	—		—	—		—	—	
25-44				-0.08	-0.23, 0.07	0.310	-0.07	-0.22, 0.08	0.344	-0.07	-0.22, 0.08	0.366
45-64				-0.29	-0.44, -0.15	<0.001	-0.31	-0.45, -0.16	<0.001	-0.31	-0.45, -0.16	<0.001
65-79				0.20	0.03, 0.36	0.018	0.18	0.02, 0.35	0.027	0.18	0.02, 0.35	0.029
80+				0.21	-0.04, 0.46	0.107	0.20	-0.05, 0.46	0.113	0.20	-0.05, 0.45	0.115
Economic status												
Employed (ref)	—	—		—	—		—	—		—	—	
Inactive				-0.29	-0.41, -0.18	<0.001	-0.30	-0.41, -0.19	<0.001	-0.30	-0.41, -0.18	<0.001
Unemployed				-0.56	-0.85, -0.26	<0.001	-0.55	-0.85, -0.26	<0.001	-0.54	-0.84, -0.25	<0.001

Deprivation status											
Not in material deprivation (ref)	—	—	—	—	—	—	—	—	—	—	—
In material deprivation			-1.37	-1.51, -1.23	<0.001	-1.38	-1.52, -1.24	<0.001	-1.37	-1.51, -1.23	<0.001
Car use											
No (ref)	—	—	—	—	—	—	—	—	—	—	—
Yes			0.38	0.23, 0.53	<0.001	0.38	0.23, 0.53	<0.001	0.37	0.22, 0.53	<0.001
Season											
Spring			-0.14	-0.26, -0.02	0.021	-0.15	-0.27, -0.03	0.015	-0.15	-0.27, -0.03	0.013
Summer			-0.11	-0.23, 0.02	0.093	-0.12	-0.25, 0.00	0.057	-0.12	-0.25, 0.00	0.057
Autumn (ref)	—	—	—	—	—	—	—	—	—	—	—
Winter			-0.05	-0.18, 0.08	0.429	-0.06	-0.19, 0.07	0.363	-0.06	-0.19, 0.07	0.343
Wave											
2016-17 (ref)	—	—	—	—	—	—	—	—	—	—	—
2018-19			0.11	0.02, 0.19	0.018	0.10	0.01, 0.18	0.033	0.09	0.00, 0.18	0.045
Local authority											
Blaenau Gwent	—	—	—	—	—	—	—	—	—	—	—
Bridgend						0.30	0.00, 0.59	0.051	0.29	0.00, 0.59	0.053
Caerphilly						0.05	-0.23, 0.33	0.711	0.05	-0.23, 0.33	0.747
Cardiff						0.01	-0.26, 0.27	0.964	0.01	-0.25, 0.28	0.932
Carmarthenshire						-0.18	-0.47, 0.11	0.217	-0.21	-0.50, 0.08	0.159
Ceredigion						0.36	0.03, 0.68	0.031	0.30	-0.03, 0.64	0.072
Conwy						0.03	-0.30, 0.37	0.849	0.00	-0.33, 0.34	0.980
Denbighshire						0.08	-0.24, 0.40	0.620	0.07	-0.25, 0.39	0.656
Flintshire						-0.09	-0.39, 0.21	0.548	-0.10	-0.40, 0.20	0.526
Gwynedd						0.23	-0.08, 0.54	0.139	0.21	-0.12, 0.53	0.210
Isle of Anglesey						0.26	-0.07, 0.58	0.123	0.22	-0.12, 0.55	0.205
Merthyr Tydfil						-0.05	-0.42, 0.32	0.795	-0.04	-0.41, 0.32	0.817
Monmouthshire						0.26	-0.08, 0.60	0.135	0.23	-0.11, 0.57	0.180
Neath Port Talbot						0.05	-0.26, 0.37	0.743	0.04	-0.27, 0.35	0.800
Newport						-0.10	-0.39, 0.19	0.496	-0.10	-0.39, 0.19	0.507
Pembrokeshire						-0.02	-0.33, 0.28	0.883	-0.05	-0.36, 0.26	0.745
Powys						-0.19	-0.49, 0.10	0.201	-0.24	-0.54, 0.06	0.122
Rhondda Cynon Taf						-0.06	-0.35, 0.22	0.654	-0.06	-0.35, 0.22	0.665
Swansea						-0.11	-0.38, 0.15	0.398	-0.12	-0.38, 0.15	0.384
Torfaen						0.05	-0.27, 0.36	0.766	0.04	-0.27, 0.36	0.791
Vale of Glamorgan						-0.27	-0.58, 0.05	0.095	-0.27	-0.58, 0.05	0.094
Wrexham						-0.02	-0.33, 0.30	0.923	-0.03	-0.35, 0.29	0.853
Urban status											
Urban (ref)	—	—	—	—	—	—	—	—	—	—	—
Town & fringe									-0.02	-0.16, 0.12	0.761
Village, hamlet & isolated dwellings									0.11	-0.02, 0.23	0.102
AIC	25,562		24,938			24,931			24,931		
No. Obs.	5,971		5,971			5,971			5,971		
R2	0.000		0.105			0.112			0.112		

Footnote: ¹CI = Confidence Interval

Table 4: Generalised linear modelling results predicting WEMWBS and life satisfaction by weekly time outdoors

Model terms	WEMWBS									Life satisfaction								
	Unadjusted			Adjusted			Adj. with urban			Unadjusted			Adjusted			Adj. with urban		
	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>
Intercept	49.46	49.08, 49.83	<0.001	47.91	46.66, 49.17	<0.001	47.91	46.65, 49.16	<0.001	7.64	7.58, 7.70	<0.001	7.79	7.55, 8.03	<0.001	7.79	7.55, 8.03	<0.001
Time outdoors (hours)	1.12	0.76, 1.48	<0.001	0.88	0.53, 1.24	<0.001	0.88	0.53, 1.24	<0.001	0.07	0.05, 0.09	<0.001	0.06	0.04, 0.07	<0.001	0.06	0.04, 0.07	<0.001
Time outdoors (hours) ²	-0.08	-0.13, -0.03	0.001	-0.06	-0.11, -0.01	0.019	-0.06	-0.11, -0.01	0.018									
WIMD quintiles																		
Q1 Most deprived 20% (ref)				—	—		—	—					—	—		—	—	
Q2				0.79	0.04, 1.54	0.040	0.77	0.02, 1.53	0.045				0.04	-0.11, 0.19	0.610	0.03	-0.12, 0.18	0.667
Q3				0.31	-0.43, 1.05	0.414	0.29	-0.46, 1.04	0.452				0.06	-0.08, 0.21	0.394	0.04	-0.11, 0.18	0.621
Q4				0.41	-0.36, 1.17	0.296	0.38	-0.40, 1.17	0.340				-0.05	-0.20, 0.10	0.530	-0.08	-0.23, 0.08	0.320
Q5 Least deprived 20%				0.87	0.08, 1.66	0.031	0.86	0.07, 1.65	0.033				0.05	-0.10, 0.20	0.516	0.04	-0.11, 0.20	0.577
Gender																		
Female (ref)				—	—		—	—					—	—		—	—	
Male				0.52	0.07, 0.96	0.022	0.52	0.08, 0.97	0.022				-0.07	-0.15, 0.02	0.132	-0.07	-0.15, 0.02	0.135
Age																		
16-24 (ref)				—	—		—	—					—	—		—	—	
25-44				-0.13	-0.89, 0.64	0.747	-0.13	-0.89, 0.64	0.748				-0.08	-0.23, 0.07	0.285	-0.07	-0.22, 0.08	0.331
45-64				-0.22	-0.96, 0.53	0.570	-0.22	-0.97, 0.52	0.558				-0.28	-0.42, -0.13	<0.001	-0.28	-0.42, -0.13	<0.001
65-79				2.37	1.53, 3.21	<0.001	2.36	1.52, 3.20	<0.001				0.23	0.07, 0.40	0.005	0.23	0.07, 0.39	0.006
80+				1.85	0.55, 3.14	0.005	1.84	0.55, 3.14	0.005				0.29	0.04, 0.54	0.023	0.29	0.03, 0.54	0.026
Economic status																		
Employed (ref)				—	—		—	—					—	—		—	—	
Inactive				-1.12	-1.70, -0.54	<0.001	-1.11	-1.69, -0.53	<0.001				-0.29	-0.40, -0.18	<0.001	-0.29	-0.40, -0.18	<0.001
Unemployed				-1.04	-2.53, 0.46	0.173	-1.05	-2.54, 0.45	0.171				-0.56	-0.85, -0.27	<0.001	-0.56	-0.85, -0.26	<0.001
Deprivation status																		
Not in material deprivation (ref)				—	—		—	—					—	—		—	—	
In material deprivation				-6.16	-6.88, -5.45	<0.001	-6.18	-6.89, -5.46	<0.001				-1.35	-1.49, -1.21	<0.001	-1.35	-1.49, -1.21	<0.001
Car use																		
No (ref)				—	—		—	—					—	—		—	—	

Model terms	WEMWBS									Life satisfaction								
	Unadjusted			Adjusted			Adj. with urban			Unadjusted			Adjusted			Adj. with urban		
	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>
Yes				1.91	1.13, 2.68	<0.001	1.91	1.13, 2.68	<0.001				0.35	0.19, 0.50	<0.001	0.34	0.19, 0.49	<0.001
Season																		
<i>Spring</i>				-0.12	-0.72, 0.49	0.706	-0.12	-0.73, 0.49	0.695				-0.14	-0.26, -0.02	0.022	-0.14	-0.26, -0.02	0.020
<i>Summer</i>				0.30	-0.34, 0.93	0.359	0.29	-0.34, 0.93	0.364				-0.12	-0.24, 0.01	0.065	-0.12	-0.24, 0.01	0.067
<i>Autumn (ref)</i>				—	—	—	—	—	—				—	—	—	—	—	—
<i>Winter</i>				0.02	-0.64, 0.68	0.944	0.02	-0.64, 0.68	0.943				-0.03	-0.16, 0.10	0.615	-0.04	-0.16, 0.09	0.584
Wave																		
2016-17 (ref)				—	—	—	—	—	—				—	—	—	—	—	—
2018-19				0.45	0.00, 0.90	0.049	0.46	0.01, 0.91	0.044				0.08	-0.01, 0.17	0.074	0.08	-0.01, 0.16	0.086
Urban status																		
<i>Urban (ref)</i>				—	—	—	—	—	—				—	—	—	—	—	—
<i>Town & fringe</i>							0.19	-0.47, 0.84	0.582							0.00	-0.13, 0.13	0.994
<i>Village, hamlet & isolated dwellings</i>							0.01	-0.56, 0.58	0.968							0.12	0.01, 0.23	0.038
AIC	44,936			44,402			44,406			25,494			24,892			24,891		
No. Obs.	5,971			5,971			5,971			5,971			5,971			5,971		
R2	0.027			0.115			0.115			0.011			0.111			0.112		

¹CI = Confidence Interval

Table 5: Full generalised linear model results predicting time outdoors by a) EVI and b) proximity to nearest GBS

a) Time outdoors										
Model terms	Unadjusted			Adjusted			Adj. with urban			
	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	
Intercept	128.92	117.59, 140.25	<0.001	72.52	48.76, 96.27	<0.001	80.49	56.35, 104.63	<0.001	
EVI	52.24	21.72, 82.77	<0.001	76.43	44.27, 108.58	<0.001	43.41	6.85, 79.97	0.020	
WIMD quintiles										
Q1 Most deprived 20% (ref)				—	—		—	—		
Q2				15.43	2.12, 28.74	0.023	13.21	-0.12, 26.54	0.052	
Q3				23.17	10.05, 36.28	<0.001	19.01	5.75, 32.27	0.005	
Q4				21.04	7.33, 34.75	0.003	16.04	2.14, 29.94	0.024	
Q5 Least deprived 20%				37.71	23.77, 51.65	<0.001	36.20	22.26, 50.13	<0.001	
Gender										
Female (ref)				—	—		—	—		
Male				17.25	9.39, 25.10	<0.001	17.65	9.80, 25.49	<0.001	
Age										
16-24 (ref)				—	—		—	—		
25-44				2.84	-10.72, 16.40	0.681	3.77	-9.79, 17.32	0.586	
45-64				-17.86	-31.01, -4.72	0.008	-18.09	-31.22, -4.96	0.007	
65-79				-40.83	-55.63, -26.03	<0.001	-41.39	-56.18, -26.61	<0.001	
80+				-93.54	-116.19, -70.90	<0.001	-93.86	-116.47, -71.25	<0.001	
Economic status										
Employed (ref)				—	—		—	—		
Inactive				-2.62	-12.84, 7.60	0.615	-1.86	-12.07, 8.35	0.721	
Unemployed				-0.37	-26.80, 26.06	0.978	-0.03	-26.43, 26.37	0.998	
Deprivation status										
Not in material deprivation (ref)				—	—		—	—		
In material deprivation				-19.20	-31.84, -6.56	0.003	-20.35	-32.99, -7.71	0.002	
Car use										
No (ref)				—	—		—	—		
Yes				31.88	18.15, 45.62	<0.001	31.82	18.10, 45.53	<0.001	
Season										
Spring				-3.24	-13.98, 7.50	0.555	-4.89	-15.65, 5.86	0.373	
Summer				8.95	-2.28, 20.18	0.118	8.30	-2.92, 19.52	0.147	
Autumn (ref)				—	—		—	—		
Winter				-21.19	-32.83, -9.54	<0.001	-21.72	-33.35, -10.08	<0.001	
Wave										
2016-17 (ref)				—	—		—	—		
2018-19				33.61	25.37, 41.86	<0.001	32.06	23.72, 40.41	<0.001	
Urban status										
Urban (ref)				—	—		—	—		
Town & fringe							25.14	13.07, 37.20	<0.001	
Village, hamlet & isolated dwellings							17.06	5.74, 28.38	0.003	
AIC	78,999			78,697			78,681			
No. Obs.	5,971			5,971			5,971			
R ²	0.002			0.057			0.060			

Footnote: ¹CI = Confidence Interval

b) Time outdoors												
Model terms	Unadjusted			Adjusted			Adj. with LA			Adj. with urban		
	Beta	95% CI [†]	p	Beta	95% CI [†]	p	Beta	95% CI [†]	p	Beta	95% CI [†]	p
Intercept	151.69	144.43, 158.95	<0.001	99.86	77.47, 122.25	<0.001	98.19	69.64, 126.75	<0.001	98.24	69.73, 126.76	<0.001
Proximity to nearest GBS (m)												
0 - <100	—	—	—	—	—	—	—	—	—	—	—	—
100 - <300	-6.85	-16.00, 2.30	0.142	-6.03	-14.97, 2.92	0.187	-6.58	-15.52, 2.35	0.149	-5.90	-14.84, 3.04	0.196
300 - <500	-10.17	-22.97, 2.63	0.119	-11.24	-23.81, 1.34	0.080	-15.64	-28.33, -2.94	0.016	-16.72	-29.42, -4.03	0.010
500 - 1100	9.43	-12.07, 30.93	0.390	1.69	-19.46, 22.84	0.875	0.71	-20.71, 22.12	0.948	-0.43	-21.82, 20.97	0.969
WIMD quintiles												
Q1 Most deprived 20% (ref)	—	—	—	—	—	—	—	—	—	—	—	—
Q2	—	—	—	17.15	3.84, 30.46	0.012	17.28	3.86, 30.70	0.012	16.09	2.67, 29.51	0.019
Q3	—	—	—	27.31	14.25, 40.36	<0.001	20.77	7.24, 34.31	0.003	18.75	5.19, 32.30	0.007
Q4	—	—	—	26.81	13.20, 40.42	<0.001	21.98	7.67, 36.29	0.003	18.62	4.22, 33.01	0.011
Q5 Least deprived 20%	—	—	—	41.07	27.07, 55.06	<0.001	35.15	20.69, 49.61	<0.001	32.68	18.20, 47.17	<0.001
Gender												
Female (ref)	—	—	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	17.12	9.24, 24.99	<0.001	18.27	10.42, 26.11	<0.001	18.25	10.41, 26.08	<0.001
Age												
16-24 (ref)	—	—	—	—	—	—	—	—	—	—	—	—
25-44	—	—	—	3.09	-10.50, 16.69	0.656	3.01	-10.54, 16.57	0.663	3.32	-10.22, 16.86	0.631
45-64	—	—	—	-15.69	-28.86, -2.53	0.020	-16.80	-29.94, -3.67	0.012	-17.61	-30.73, -4.49	0.009
65-79	—	—	—	-38.02	-52.81, -23.22	<0.001	-40.73	-55.48, -25.99	<0.001	-41.70	-56.43, -26.97	<0.001
80+	—	—	—	-90.81	-113.50, -68.13	<0.001	-95.49	-118.07, -72.90	<0.001	-95.95	-118.51, -73.39	<0.001
Economic status												
Employed (ref)	—	—	—	—	—	—	—	—	—	—	—	—
Inactive	—	—	—	-2.97	-13.20, 7.27	0.570	-2.80	-12.99, 7.39	0.590	-1.70	-11.89, 8.49	0.743
Unemployed	—	—	—	1.51	-24.98, 27.99	0.911	3.90	-22.44, 30.24	0.772	4.12	-22.19, 30.44	0.759
Deprivation status												
Not in material deprivation (ref)	—	—	—	—	—	—	—	—	—	—	—	—
In material deprivation	—	—	—	-19.51	-32.18, -6.84	0.003	-22.68	-35.30, -10.07	<0.001	-23.26	-35.87, -10.64	<0.001
Car use												
No (ref)	—	—	—	—	—	—	—	—	—	—	—	—
Yes	—	—	—	34.76	21.07, 48.46	<0.001	33.61	19.96, 47.26	<0.001	33.01	19.37, 46.65	<0.001
Season												
Spring	—	—	—	-4.54	-15.29, 6.21	0.408	-4.35	-15.10, 6.39	0.427	-5.60	-16.35, 5.15	0.307
Summer	—	—	—	8.43	-2.82, 19.68	0.142	8.80	-2.41, 20.00	0.124	8.37	-2.82, 19.56	0.142
Autumn (ref)	—	—	—	—	—	—	—	—	—	—	—	—
Winter	—	—	—	-21.85	-33.52, -10.19	<0.001	-22.10	-33.71, -10.48	<0.001	-22.17	-33.77, -10.56	<0.001
Wave												
2016-17 (ref)	—	—	—	—	—	—	—	—	—	—	—	—
2018-19	—	—	—	27.92	20.00, 35.84	<0.001	28.42	20.46, 36.38	<0.001	28.60	20.63, 36.57	<0.001
Local authority												
Blaenau Gwent	—	—	—	—	—	—	—	—	—	—	—	—
Bridgend	—	—	—	—	—	—	29.49	2.83, 56.16	0.030	24.65	-2.08, 51.38	0.071
Caerphilly	—	—	—	—	—	—	-14.70	-39.88, 10.49	0.253	-17.31	-42.50, 7.87	0.178
Cardiff	—	—	—	—	—	—	4.97	-18.88, 28.81	0.683	6.82	-17.02, 30.65	0.575
Carmarthenshire	—	—	—	—	—	—	-8.42	-34.36, 17.52	0.525	-15.95	-42.15, 10.25	0.233

<i>Ceredigion</i>					22.02	-7.03, 51.08	0.137	9.08	-20.72, 38.89	0.550
<i>Conwy</i>					16.20	-13.84, 46.24	0.291	9.60	-20.62, 39.81	0.534
<i>Denbighshire</i>					-26.14	-54.60, 2.32	0.072	-31.98	-60.54, -3.43	0.028
<i>Flintshire</i>					-20.12	-47.15, 6.91	0.145	-23.78	-50.83, 3.27	0.085
<i>Gwynedd</i>					27.22	-0.65, 55.10	0.056	10.75	-18.14, 39.65	0.466
<i>Isle of Anglesey</i>					52.92	23.68, 82.16	<0.001	37.90	7.82, 67.99	0.014
<i>Merthyr Tydfil</i>					-30.07	-63.15, 3.02	0.075	-31.17	-64.22, 1.88	0.065
<i>Monmouthshire</i>					14.72	-15.73, 45.17	0.343	10.09	-20.45, 40.63	0.517
<i>Neath Port Talbot</i>					-7.92	-36.04, 20.20	0.581	-11.12	-39.25, 17.02	0.439
<i>Newport</i>					-13.07	-38.93, 12.79	0.322	-12.70	-38.52, 13.13	0.335
<i>Pembrokeshire</i>					41.79	14.50, 69.08	0.003	28.53	0.56, 56.51	0.046
<i>Powys</i>					18.34	-8.14, 44.82	0.175	7.19	-19.92, 34.30	0.603
<i>Rhondda Cynon Taf</i>					-9.91	-35.34, 15.53	0.445	-11.99	-37.42, 13.44	0.355
<i>Swansea</i>					27.65	3.90, 51.39	0.023	26.30	2.57, 50.02	0.030
<i>Torfaen</i>					7.27	-21.12, 35.66	0.616	6.40	-21.96, 34.76	0.658
<i>Vale of Glamorgan</i>					43.66	15.56, 71.75	0.002	42.11	14.04, 70.18	0.003
<i>Wrexham</i>					-8.19	-36.70, 20.32	0.573	-13.12	-41.70, 15.45	0.368
Urban status										
<i>Urban (ref)</i>	—	—	—	—	—	—		—	—	
<i>Town & fringe</i>								24.28	11.63, 36.93	<0.001
<i>Village, hamlet & isolated dwellings</i>								17.89	6.52, 29.27	0.002
AIC	79,009		78,719		78,643			78,630		
No. Obs.	5,971		5,971		5,971			5,971		
R ²	0.001		0.054		0.072			0.075		

Footnote: ¹CI = Confidence Interval

Table 6: Full model results predicting SWB by EVI and proximity to GBS including interactions with urban status

Model terms	WEMWBS			Life satisfaction			WEMWBS			Life satisfaction		
	Beta	95% CI [†]	<i>p</i>	Beta	95% CI [†]	<i>p</i>	Beta	95% CI [†]	<i>p</i>	Beta	95% CI [†]	<i>p</i>
Intercept	49.79	47.79, 51.80	<0.001	7.97	7.58, 8.36	<0.001	47.74	46.10, 49.39	<0.001	7.93	7.61, 8.25	<0.001
EVI	-2.15	-13.02, 8.72	0.698	-0.45	-2.56, 1.65	0.673						
EVI ²	-2.40	-19.89, 15.10	0.788	0.40	-2.99, 3.80	0.816						
Proximity to nearest GBS (m)												
0 - <100 (ref)	—	—		—	—		—	—		—	—	
100 - <300							-0.12	-0.76, 0.51	0.698	-0.05	-0.17, 0.08	0.458
300 - <500							-0.32	-1.29, 0.65	0.520	-0.12	-0.31, 0.07	0.224
500 - 1100							0.87	-0.96, 2.71	0.352	0.24	-0.12, 0.59	0.194
Urban status												
Urban (ref)	—	—		—	—		—	—		—	—	
Town & fringe	0.19	-4.33, 4.71	0.934	0.09	-0.79, 0.96	0.848	-0.90	-2.19, 0.38	0.168	-0.23	-0.48, 0.02	0.075
Village, hamlet & isolated dwellings	2.21	-1.38, 5.79	0.227	0.33	-0.36, 1.03	0.349	0.41	-0.62, 1.44	0.436	0.22	0.02, 0.42	0.029
Interactions												
EVI x Urban status												
EVI x Urban (ref)												
EVI x Town & fringe	-2.73	-27.01, 21.54	0.825	-1.17	-5.88, 3.54	0.626						
EVI x Village, hamlet & isolated dwellings	-14.88	-33.56, 3.80	0.119	-1.36	-4.99, 2.26	0.462						
EVI ² x Urban status												
EVI ² x Urban (ref)												
EVI ² x town & fringe	9.89	-23.65, 43.44	0.563	2.50	-4.01, 9.01	0.451						
EVI ² x Village, hamlet & isolated dwellings	23.78	-0.84, 48.39	0.058	1.97	-2.80, 6.75	0.418						
Proximity to nearest GBS (m) x Urban status												
<100 x Urban (ref)												
100 - <300 x town & fringe							1.54	-0.02, 3.10	0.053	0.28	-0.03, 0.58	0.075
300 - <500 x town & fringe							1.82	-0.16, 3.80	0.072	0.49	0.11, 0.88	0.012
500 - 1100 x town & fringe							-1.59	-4.98, 1.80	0.358	-0.66	-1.32, 0.00	0.050
100 - <300 x village, hamlet & isolated dwellings							0.00	-1.27, 1.26	0.994	-0.10	-0.34, 0.15	0.450
300 - <500 x village, hamlet & isolated dwellings							-1.60	-3.30, 0.10	0.065	-0.26	-0.59, 0.07	0.121
500 - 1100 x village, hamlet & isolated dwellings							-0.64	-3.34, 2.07	0.645	-0.58	-1.11, -0.05	0.031
WIMD quintiles												
Q1 Most deprived 20% (ref)	—	—		—	—		—	—		—	—	
Q2	0.95	0.18, 1.71	0.015	0.05	-0.10, 0.20	0.512	0.92	0.15, 1.69	0.019	0.04	-0.10, 0.19	0.558
Q3	0.46	-0.30, 1.22	0.235	0.05	-0.10, 0.20	0.509	0.35	-0.43, 1.13	0.376	0.06	-0.10, 0.21	0.475
Q4	0.52	-0.28, 1.32	0.202	-0.07	-0.22, 0.09	0.384	0.55	-0.28, 1.37	0.194	-0.02	-0.18, 0.14	0.831
Q5 Least deprived 20%	1.26	0.46, 2.06	0.002	0.09	-0.07, 0.24	0.282	0.65	-0.18, 1.48	0.126	0.11	-0.05, 0.28	0.163
Gender												
Female (ref)	—	—		—	—		—	—		—	—	
Male	0.64	0.19, 1.09	0.005	-0.05	-0.14, 0.04	0.251	0.67	0.22, 1.12	0.004	-0.04	-0.13, 0.04	0.332
Age												
16-24 (ref)	—	—		—	—		—	—		—	—	
25-44	-0.09	-0.86, 0.69	0.827	-0.07	-0.22, 0.08	0.378	-0.18	-0.96, 0.60	0.648	-0.07	-0.22, 0.08	0.337
45-64	-0.42	-1.17, 0.34	0.277	-0.29	-0.44, -0.15	<0.001	-0.57	-1.32, 0.18	0.136	-0.31	-0.46, -0.17	<0.001
65-79	1.98	1.13, 2.83	<0.001	0.19	0.03, 0.36	0.021	1.78	0.94, 2.63	<0.001	0.18	0.01, 0.34	0.035
80+	0.97	-0.32, 2.27	0.142	0.20	-0.05, 0.45	0.119	0.90	-0.39, 2.20	0.171	0.20	-0.05, 0.45	0.122
Economic status												

Model terms	WEMWBS			Life satisfaction			WEMWBS			Life satisfaction		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
<i>Employed (ref)</i>	—	—		—	—		—	—		—	—	
<i>Inactive</i>	-1.14	-1.73, -0.56	<0.001	-0.29	-0.40, -0.17	<0.001	-1.11	-1.69, -0.53	<0.001	-0.29	-0.41, -0.18	<0.001
<i>Unemployed</i>	-1.09	-2.60, 0.42	0.158	-0.57	-0.86, -0.28	<0.001	-0.72	-2.23, 0.78	0.347	-0.52	-0.82, -0.23	<0.001
Deprivation status												
<i>Not in material deprivation (ref)</i>	—	—		—	—		—	—		—	—	
<i>In material deprivation</i>	-6.36	-7.09, -5.64	<0.001	-1.36	-1.50, -1.22	<0.001	-6.48	-7.20, -5.75	<0.001	-1.38	-1.52, -1.24	<0.001
Car use												
<i>No (ref)</i>	—	—		—	—		—	—		—	—	
<i>Yes</i>	2.25	1.47, 3.04	<0.001	0.37	0.22, 0.52	<0.001	2.34	1.56, 3.12	<0.001	0.38	0.23, 0.53	<0.001
Season												
<i>Spring</i>	-0.24	-0.86, 0.37	0.439	-0.15	-0.27, -0.03	0.014	-0.32	-0.93, 0.30	0.314	-0.15	-0.27, -0.03	0.012
<i>Summer</i>	0.29	-0.36, 0.93	0.381	-0.11	-0.24, 0.01	0.073	0.23	-0.41, 0.87	0.474	-0.12	-0.25, 0.00	0.055
<i>Autumn (ref)</i>	—	—		—	—		—	—		—	—	
<i>Winter</i>	-0.24	-0.91, 0.43	0.479	-0.06	-0.19, 0.07	0.341	-0.33	-1.00, 0.33	0.325	-0.07	-0.20, 0.06	0.315
Wave												
<i>2016-17 (ref)</i>	—	—		—	—		—	—		—	—	
<i>2018-19</i>	0.63	0.14, 1.12	0.012	0.11	0.01, 0.20	0.026	0.66	0.20, 1.12	0.005	0.09	0.00, 0.18	0.044
Local authority												
<i>Blaenau Gwent</i>	—	—		—	—		—	—		—	—	
<i>Bridgend</i>							2.56	1.03, 4.09	0.001	0.30	0.00, 0.60	0.051
<i>Caerphilly</i>							0.32	-1.12, 1.76	0.662	0.03	-0.25, 0.31	0.835
<i>Cardiff</i>							2.72	1.35, 4.08	<0.001	0.01	-0.25, 0.28	0.915
<i>Carmarthenshire</i>							0.18	-1.32, 1.68	0.817	-0.22	-0.51, 0.07	0.136
<i>Ceredigion</i>							2.42	0.71, 4.12	0.006	0.31	-0.03, 0.64	0.071
<i>Conwy</i>							2.29	0.55, 4.03	0.010	-0.02	-0.36, 0.31	0.890
<i>Denbighshire</i>							2.58	0.94, 4.22	0.002	0.08	-0.24, 0.40	0.609
<i>Flintshire</i>							2.86	1.30, 4.41	<0.001	-0.13	-0.43, 0.17	0.401
<i>Gwynedd</i>							2.39	0.73, 4.05	0.005	0.19	-0.13, 0.51	0.250
<i>Isle of Anglesey</i>							3.25	1.52, 4.97	<0.001	0.22	-0.12, 0.56	0.199
<i>Merthyr Tydfil</i>							1.99	0.10, 3.88	0.039	-0.04	-0.40, 0.33	0.847
<i>Monmouthshire</i>							2.66	0.90, 4.42	0.003	0.19	-0.15, 0.53	0.282
<i>Neath Port Talbot</i>							0.89	-0.72, 2.50	0.280	0.04	-0.28, 0.35	0.816
<i>Newport</i>							0.85	-0.63, 2.32	0.263	-0.10	-0.39, 0.18	0.484
<i>Pembrokeshire</i>							0.78	-0.82, 2.38	0.341	-0.06	-0.37, 0.25	0.700
<i>Powys</i>							0.45	-1.10, 2.00	0.571	-0.24	-0.54, 0.06	0.119
<i>Rhondda Cynon Taf</i>							1.28	-0.18, 2.73	0.086	-0.06	-0.35, 0.22	0.667
<i>Swansea</i>							1.69	0.33, 3.05	0.015	-0.12	-0.38, 0.15	0.394
<i>Torfaen</i>							-1.06	-2.69, 0.56	0.199	0.04	-0.27, 0.36	0.799
<i>Vale of Glamorgan</i>							1.61	0.00, 3.22	0.050	-0.25	-0.56, 0.06	0.116
<i>Wrexham</i>							1.54	-0.09, 3.18	0.065	-0.02	-0.34, 0.29	0.878
AIC	44,520			24,939			44,477			24,922		
No. Obs.	5,971			5,971			5,971			5,971		
R2	0.099			0.106			0.113			0.116		

Footnote: ¹CI = Confidence Interval

Table 7: Full generalised linear model results exploring the potential for mediation of the relationship between EVI and WEMWBS by time outdoors

WEMWBS																		
Model terms	Unadjusted			Unadj. with time outdoors			Adjusted			Adj. with time outdoors			Adj. with Urban			Urban adj. with time outdoors		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Intercept	0.01	-0.02, 0.04	0.580	0.06	0.01, 0.10	0.017	-0.23	-0.36, -0.10	<0.001	-0.16	-0.30, -0.03	0.020	-0.24	-0.37, -0.10	<0.001	-0.16	-0.30, -0.03	0.017
Standardised EVI	0.01	-0.02, 0.03	0.686	0.00	-0.03, 0.03	0.998	-0.02	-0.04, 0.01	0.228	-0.02	-0.05, 0.00	0.080	-0.02	-0.05, 0.01	0.132	-0.03	-0.05, 0.00	0.076
Standardised EVI ²	0.02	0.00, 0.04	0.023	0.02	0.00, 0.03	0.042	0.02	0.01, 0.04	0.008	0.02	0.00, 0.04	0.016	0.02	0.01, 0.04	0.010	0.02	0.00, 0.04	0.018
Standardised time outdoors				0.20	0.16, 0.24	<0.001				0.17	0.13, 0.21	<0.001				0.17	0.13, 0.21	<0.001
Standardised time outdoors ²				-0.06	-0.09, -0.02	0.002				-0.04	-0.08, -0.01	0.025				-0.04	-0.08, -0.01	0.025
WIMD quintiles																		
Q1 Most deprived 20% (ref)							—	—		—	—		—	—		—	—	
Q2							0.11	0.03, 0.19	0.010	0.09	0.01, 0.17	0.028	0.10	0.02, 0.18	0.013	0.09	0.01, 0.17	0.033
Q3							0.06	-0.02, 0.14	0.159	0.03	-0.05, 0.11	0.406	0.05	-0.03, 0.13	0.218	0.03	-0.05, 0.11	0.460
Q4							0.07	-0.02, 0.15	0.115	0.05	-0.04, 0.13	0.274	0.06	-0.03, 0.14	0.173	0.04	-0.04, 0.13	0.329
Q5 Least deprived 20%							0.13	0.05, 0.22	0.002	0.10	0.02, 0.18	0.020	0.13	0.05, 0.22	0.002	0.10	0.01, 0.18	0.022
Gender																		
Female (ref)							—	—		—	—		—	—		—	—	
Male							0.07	0.02, 0.11	0.007	0.05	0.01, 0.10	0.028	0.07	0.02, 0.11	0.006	0.05	0.01, 0.10	0.027
Age																		
16-24 (ref)							—	—		—	—		—	—		—	—	
25-44							-0.01	-0.09, 0.07	0.851	-0.01	-0.09, 0.07	0.829	-0.01	-0.09, 0.08	0.869	-0.01	-0.09, 0.07	0.836
45-64							-0.04	-0.12, 0.04	0.321	-0.02	-0.10, 0.06	0.673	-0.04	-0.12, 0.04	0.309	-0.02	-0.10, 0.06	0.659
65-79							0.22	0.13, 0.31	<0.001	0.26	0.17, 0.35	<0.001	0.21	0.12, 0.30	<0.001	0.26	0.17, 0.35	<0.001
80+							0.11	-0.03, 0.25	0.115	0.20	0.07, 0.34	0.004	0.11	-0.03, 0.25	0.118	0.20	0.07, 0.34	0.004
Economic status																		
Employed (ref)							—	—		—	—		—	—		—	—	
Inactive							-0.13	-0.19, -0.06	<0.001	-0.12	-0.18, -0.06	<0.001	-0.12	-0.19, -0.06	<0.001	-0.12	-0.18, -0.06	<0.001
Unemployed							-0.12	-0.28, 0.04	0.151	-0.11	-0.27, 0.04	0.157	-0.12	-0.28, 0.04	0.149	-0.12	-0.27, 0.04	0.154
Deprivation status																		

WEMWBS																		
Model terms	Unadjusted			Unadj. with time outdoors			Adjusted			Adj. with time outdoors			Adj. with Urban			Urban adj. with time outdoors		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
<i>Not in material deprivation (ref)</i>																		
<i>In material deprivation</i>							-0.67	-0.75, -0.59	<0.001	-0.65	-0.73, -0.57	<0.001	-0.67	-0.75, -0.60	<0.001	-0.65	-0.73, -0.58	<0.001
Car use																		
No (ref)																		
Yes							0.24	0.16, 0.32	<0.001	0.21	0.13, 0.29	<0.001	0.24	0.16, 0.32	<0.001	0.21	0.13, 0.29	<0.001
Season																		
Spring							-0.02	-0.09, 0.04	0.472	-0.02	-0.08, 0.05	0.581	-0.03	-0.09, 0.04	0.423	-0.02	-0.08, 0.04	0.551
Summer							0.04	-0.03, 0.10	0.295	0.03	-0.04, 0.10	0.395	0.03	-0.03, 0.10	0.313	0.03	-0.04, 0.10	0.408
Autumn (ref)																		
Winter							-0.02	-0.09, 0.05	0.498	0.00	-0.07, 0.07	0.936	-0.02	-0.10, 0.05	0.489	0.00	-0.07, 0.07	0.931
Wave																		
2016-17 (ref)																		
2018-19							0.07	0.02, 0.12	0.005	0.04	-0.01, 0.09	0.087	0.07	0.02, 0.12	0.006	0.04	-0.01, 0.09	0.090
Urban status																		
Urban (ref)																		
Town & fringe													0.06	-0.02, 0.13	0.129	0.04	-0.04, 0.11	0.329
Village, hamlet & isolated dwellings													0.02	-0.05, 0.09	0.588	0.01	-0.06, 0.08	0.862
AIC	18,276			18,121			17,701				17,585			17,703			17,588	
No. Obs.	5,971			5,971			5,971				5,971			5,971			5,971	
R ²	0.001			0.027			0.098				0.116			0.098			0.116	

Footnote: ¹CI = Confidence Interval

Table 8: Full generalised linear model results exploring the potential for mediation of the relationship between EVI and life satisfaction by weekly time outdoors

Life satisfaction																		
Model terms	Unadj			Unadj. with time outdoors			Adjusted			Adj. with time outdoors			Urban adjusted			Urban adjusted with time outdoors		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Intercept	0.02	-0.01, 0.04	0.314	0.01	-0.02, 0.04	0.522	0.05	-0.08, 0.18	0.442	0.07	-0.06, 0.20	0.281	0.05	-0.08, 0.18	0.466	0.07	-0.06, 0.20	0.291
Standardised EVI	0.02	0.00, 0.05	0.066	0.02	-0.01, 0.04	0.126	0.01	-0.02, 0.04	0.473	0.00	-0.02, 0.03	0.719	0.00	-0.03, 0.03	0.979	0.00	-0.03, 0.03	0.831
Standardised EVI ²	0.02	0.00, 0.03	0.059	0.02	0.00, 0.03	0.072	0.02	0.00, 0.04	0.023	0.02	0.00, 0.03	0.031	0.02	0.00, 0.03	0.072	0.01	0.00, 0.03	0.088
Standardised time outdoors				0.10	0.07, 0.12	<0.001				0.08	0.06, 0.10	<0.001				0.08	0.06, 0.10	<0.001
WIMD quintiles																		
Q1 Most deprived 20% (ref)							—	—		—	—		—	—		—	—	
Q2							0.03	-0.05, 0.11	0.473	0.02	-0.06, 0.10	0.601	0.03	-0.05, 0.11	0.514	0.02	-0.06, 0.10	0.626
Q3							0.04	-0.04, 0.11	0.378	0.02	-0.05, 0.10	0.550	0.03	-0.05, 0.11	0.504	0.02	-0.06, 0.10	0.663
Q4							-0.03	-0.11, 0.05	0.517	-0.04	-0.12, 0.04	0.370	-0.04	-0.12, 0.05	0.391	-0.04	-0.13, 0.04	0.295
Q5 Least deprived 20%							0.05	-0.04, 0.13	0.272	0.03	-0.06, 0.11	0.518	0.04	-0.04, 0.13	0.295	0.03	-0.06, 0.11	0.539
Gender																		
Female (ref)							—	—		—	—		—	—		—	—	
Male							-0.03	-0.08, 0.02	0.222	-0.04	-0.08, 0.01	0.113	-0.03	-0.08, 0.02	0.235	-0.04	-0.08, 0.01	0.119
Age																		
16-24 (ref)							—	—		—	—		—	—		—	—	
25-44							-0.04	-0.12, 0.04	0.358	-0.04	-0.12, 0.04	0.335	-0.04	-0.12, 0.05	0.392	-0.04	-0.12, 0.04	0.364
45-64							-0.16	-0.24, -0.08	<0.001	-0.15	-0.23, -0.07	<0.001	-0.16	-0.24, -0.08	<0.001	-0.15	-0.23, -0.07	<0.001
65-79							0.11	0.02, 0.19	0.019	0.13	0.04, 0.21	0.005	0.11	0.02, 0.19	0.019	0.13	0.04, 0.21	0.005
80+							0.11	-0.02, 0.25	0.105	0.16	0.02, 0.29	0.022	0.11	-0.02, 0.25	0.108	0.16	0.02, 0.29	0.022
Economic status																		
Employed							—	—		—	—		—	—		—	—	
Inactive							-0.16	-0.22, -0.10	<0.001	-0.16	-0.22, -0.10	<0.001	-0.16	-0.22, -0.10	<0.001	-0.16	-0.22, -0.09	<0.001
Unemployed							-0.31	-0.47, -0.15	<0.001	-0.31	-0.47, -0.15	<0.001	-0.31	-0.46, -0.15	<0.001	-0.31	-0.46, -0.15	<0.001
Deprivation status																		
Not in material deprivation (ref)							—	—		—	—		—	—		—	—	
In material deprivation							-0.73	-0.81, -0.66	<0.001	-0.72	-0.80, -0.65	<0.001	-0.73	-0.81, -0.66	<0.001	-0.72	-0.80, -0.65	<0.001

Life satisfaction																		
Model terms	Unadj			Unadj. with time outdoors			Adjusted			Adj. with time outdoors			Urban adjusted			Urban adjusted with time outdoors		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Car use																		
No (ref)																		
Yes							0.20	0.12, 0.28	<0.001	0.18	0.10, 0.27	<0.001	0.20	0.12, 0.28	<0.001	0.18	0.10, 0.27	<0.001
Season																		
Spring							-0.08	-0.14, -0.01	0.018	-0.08	-0.14, -0.01	0.020	-0.08	-0.14, -0.02	0.014	-0.08	-0.14, -0.01	0.017
Summer							-0.06	-0.13, 0.01	0.087	-0.06	-0.13, 0.00	0.065	-0.06	-0.13, 0.01	0.084	-0.06	-0.13, 0.00	0.064
Autumn (ref)																		
Winter							-0.03	-0.10, 0.04	0.375	-0.02	-0.09, 0.05	0.562	-0.03	-0.10, 0.04	0.355	-0.02	-0.09, 0.05	0.539
Wave																		
2016-17 (ref)																		
2018-19							0.07	0.02, 0.12	0.005	0.05	0.00, 0.10	0.034	0.06	0.01, 0.11	0.014	0.05	0.00, 0.10	0.071
Urban status																		
Urban																		
Town & fringe													0.01	-0.06, 0.09	0.711	0.00	-0.07, 0.07	0.980
Village, hamlet & isolated dwellings													0.06	-0.01, 0.13	0.104	0.05	-0.02, 0.12	0.157
AIC	18,161			18,099			17,540			17,499			17,542			17,501		
No. Obs.	5,971			5,971			5,971			5,971			5,971			5,971		
R ²	0.002			0.012			0.105			0.112			0.106			0.112		

Footnote: ¹CI = Confidence Interval

Table 9: Full generalised linear modelling results predicting CMD status by residential GBS exposure: a) EVI and b) proximity to nearest GBS

a) CMD									
Model terms	Unadjusted			Adjusted			Adj. with urban		
	OR ¹	95% CI ¹	p	OR ¹	95% CI ¹	p	OR ¹	95% CI ¹	p
Intercept	0.19	0.15, 0.23	<0.001	0.12	0.08, 0.20	<0.001	0.12	0.08, 0.19	<0.001
EVI category									
0 - <0.2 (ref)	—	—		—	—		—	—	
0.2 - <0.4	0.92	0.73, 1.16	0.459	1.01	0.80, 1.30	0.919	1.03	0.81, 1.33	0.785
0.4 - <0.8	0.80	0.62, 1.02	0.073	0.96	0.73, 1.26	0.752	1.06	0.80, 1.42	0.681
WIMD quintiles									
Q1 Most deprived 20% (ref)	—	—		—	—		—	—	
Q2				0.67	0.53, 0.85	0.001	0.69	0.54, 0.88	0.003
Q3				0.65	0.52, 0.83	<0.001	0.69	0.54, 0.87	0.002
Q4				0.71	0.56, 0.91	0.008	0.76	0.59, 0.98	0.032
Q5 Least deprived 20%				0.67	0.51, 0.86	0.002	0.68	0.52, 0.88	0.004
Gender									
Female (ref)	—	—		—	—		—	—	
Male				0.45	0.38, 0.52	<0.001	0.45	0.38, 0.52	<0.001
Age									
16-24 (ref)	—	—		—	—		—	—	
25-44				2.78	2.07, 3.78	<0.001	2.75	2.05, 3.74	<0.001
45-64				2.99	2.24, 4.04	<0.001	2.99	2.24, 4.05	<0.001
65-79				1.32	0.95, 1.84	0.099	1.32	0.96, 1.85	0.095
80+				0.73	0.41, 1.22	0.245	0.73	0.41, 1.22	0.243
Economic status									
Employed (ref)	—	—		—	—		—	—	
Inactive				1.98	1.65, 2.38	<0.001	1.97	1.64, 2.37	<0.001
Unemployed				2.13	1.38, 3.23	<0.001	2.13	1.38, 3.22	<0.001
Deprivation status									
Not in material deprivation (ref)	—	—		—	—		—	—	
In material deprivation				1.85	1.51, 2.26	<0.001	1.87	1.53, 2.29	<0.001
Car use									
No (ref)	—	—		—	—		—	—	
Yes				0.67	0.54, 0.85	<0.001	0.67	0.54, 0.85	<0.001
Season									
Spring				1.04	0.84, 1.28	0.722	1.06	0.86, 1.31	0.610
Summer				1.18	0.95, 1.46	0.143	1.18	0.95, 1.47	0.130
Autumn (ref)	—	—		—	—		—	—	
Winter				1.10	0.88, 1.38	0.395	1.11	0.88, 1.38	0.378
Wave									
2016-17 (ref)	—	—		—	—		—	—	
2018-19				1.08	0.93, 1.27	0.313	1.10	0.93, 1.28	0.259
Urban status									
Urban (ref)	—	—		—	—		—	—	
Town & fringe							0.75	0.58, 0.95	0.019
Village, hamlet & isolated dwellings							0.85	0.68, 1.05	0.133
AIC									
No. Obs.	5,971			5,971			5,971		

b) CMD

a) CMD									
Model terms	Unadjusted			Adjusted			Adj. with urban		
	OR ¹	95% CI ¹	<i>p</i>	OR ¹	95% CI ¹	<i>p</i>	OR ¹	95% CI ¹	<i>p</i>
R2	0.001			0.075			0.076		

Footnote: ¹OR = Odds Ratio, CI = Confidence Interval

Model terms	Unadjusted			Adjusted			Adj. with LA			Adj. with urban		
	OR ¹	95% CI ¹	p	OR ¹	95% CI ¹	p	OR ¹	95% CI ¹	p	OR ¹	95% CI ¹	p
Intercept	0.16	0.13, 0.19	<0.001	0.11	0.07, 0.18	<0.001	0.10	0.06, 0.18	<0.001	0.10	0.06, 0.18	<0.001
Proximity to nearest GBS (100 m)	1.14	0.98, 1.35	0.101	1.13	0.97, 1.34	0.136	1.15	0.98, 1.36	0.102	1.15	0.97, 1.36	0.108
Proximity to nearest GBS ² (100 m)	0.97	0.94, 0.99	0.024	0.97	0.94, 1.00	0.055	0.97	0.94, 1.00	0.065	0.97	0.95, 1.00	0.076
WIMD quintiles												
Q1 Most deprived 20% (ref)				—	—		—	—		—	—	
Q2				0.68	0.53, 0.86	0.001	0.69	0.54, 0.88	0.003	0.70	0.55, 0.89	0.004
Q3				0.66	0.52, 0.83	<0.001	0.72	0.57, 0.93	0.010	0.73	0.57, 0.94	0.014
Q4				0.72	0.56, 0.92	0.009	0.76	0.58, 0.99	0.040	0.78	0.60, 1.01	0.063
Q5 Least deprived 20%				0.68	0.52, 0.88	0.003	0.74	0.56, 0.97	0.031	0.75	0.57, 0.99	0.044
Gender												
Female (ref)				—	—		—	—		—	—	
Male				0.45	0.38, 0.52	<0.001	0.44	0.38, 0.52	<0.001	0.44	0.38, 0.52	<0.001
Age												
16-24 (ref)				—	—		—	—		—	—	
25-44				2.75	2.05, 3.74	<0.001	2.71	2.02, 3.70	<0.001	2.71	2.01, 3.69	<0.001
45-64				2.95	2.21, 3.99	<0.001	2.93	2.20, 3.97	<0.001	2.95	2.21, 4.00	<0.001
65-79				1.31	0.95, 1.83	0.105	1.31	0.94, 1.83	0.113	1.31	0.95, 1.84	0.109
80+				0.72	0.41, 1.21	0.223	0.71	0.40, 1.20	0.210	0.70	0.40, 1.19	0.207
Economic status												
Employed (ref)				—	—		—	—		—	—	
Inactive				1.98	1.65, 2.38	<0.001	2.00	1.66, 2.41	<0.001	1.99	1.65, 2.40	<0.001
Unemployed				2.11	1.37, 3.20	<0.001	2.08	1.34, 3.16	<0.001	2.07	1.34, 3.16	<0.001
Deprivation status												
Not in material deprivation (ref)				—	—		—	—		—	—	
In material deprivation				1.86	1.52, 2.28	<0.001	1.89	1.54, 2.32	<0.001	1.91	1.55, 2.34	<0.001
Car use												
No (ref)				—	—		—	—		—	—	
Yes				0.67	0.54, 0.85	<0.001	0.67	0.53, 0.84	<0.001	0.67	0.53, 0.85	<0.001
Season												
Spring				1.04	0.84, 1.28	0.737	1.02	0.83, 1.27	0.823	1.04	0.84, 1.28	0.743
Summer				1.18	0.95, 1.46	0.144	1.16	0.94, 1.45	0.174	1.17	0.94, 1.46	0.163
Autumn (ref)				—	—		—	—		—	—	
Winter				1.10	0.88, 1.38	0.405	1.11	0.89, 1.40	0.346	1.11	0.89, 1.40	0.345
Wave												
2016-17 (ref)				—	—		—	—		—	—	
2018-19				1.09	0.94, 1.27	0.246	1.09	0.94, 1.27	0.266	1.09	0.93, 1.27	0.292
Local authority												
Blaenau Gwent (ref)				—	—		—	—		—	—	
Bridgend							1.20	0.74, 1.96	0.454	1.26	0.77, 2.05	0.358
Caerphilly							1.25	0.78, 2.00	0.356	1.27	0.80, 2.04	0.318
Cardiff							0.91	0.58, 1.43	0.674	0.89	0.57, 1.41	0.626
Carmarthenshire							0.90	0.54, 1.50	0.672	0.94	0.56, 1.58	0.815
Ceredigion							0.70	0.38, 1.27	0.250	0.77	0.41, 1.42	0.414
Conwy							0.72	0.38, 1.34	0.316	0.75	0.39, 1.40	0.381
Denbighshire							0.94	0.54, 1.60	0.809	0.98	0.56, 1.68	0.935
Flintshire							0.83	0.47, 1.42	0.494	0.85	0.49, 1.46	0.556

<i>Gwynedd</i>			1.03	0.61, 1.75	0.910	1.18	0.68, 2.05	0.547
<i>Isle of Anglesey</i>			0.75	0.41, 1.33	0.327	0.84	0.46, 1.52	0.570
<i>Merthyr Tydfil</i>			1.07	0.57, 1.97	0.825	1.09	0.58, 2.00	0.785
<i>Monmouthshire</i>			1.14	0.63, 2.04	0.658	1.17	0.64, 2.11	0.595
<i>Neath Port Talbot</i>			1.24	0.74, 2.08	0.407	1.27	0.76, 2.13	0.360
<i>Newport</i>			1.16	0.72, 1.88	0.551	1.15	0.71, 1.86	0.570
<i>Pembrokeshire</i>			1.02	0.60, 1.72	0.945	1.14	0.67, 1.95	0.632
<i>Powys</i>			1.00	0.60, 1.67	0.995	1.08	0.64, 1.83	0.767
<i>Rhondda Cynon Taf</i>			1.19	0.75, 1.92	0.466	1.22	0.76, 1.96	0.416
<i>Swansea</i>			1.11	0.72, 1.74	0.632	1.12	0.73, 1.75	0.612
<i>Torfaen</i>			1.78	1.08, 2.95	0.023	1.79	1.09, 2.95	0.023
<i>Vale of Glamorgan</i>			0.68	0.37, 1.20	0.189	0.68	0.37, 1.21	0.196
<i>Wrexham</i>			0.73	0.41, 1.27	0.271	0.76	0.43, 1.32	0.330
Urban status								
<i>Urban (ref)</i>	—	—	—	—		—	—	
<i>Town & fringe</i>						0.78	0.60, 1.00	0.057
<i>Village, hamlet & isolated dwellings</i>						0.90	0.71, 1.13	0.360
No. Obs.	5,971	5,971	5,971	5,971	5,971	5,971		
R^2	0.001	0.076	0.082	0.082	0.082			

Footnote: ¹OR = Odds Ratio, CI = Confidence Interval. LA=Local Authority

Table 10: Full generalised linear model results for weekly time outdoors predicting CMD status

CMD									
Model terms	Unadjusted			Adjusted			Adj with urban		
	OR ¹	95% CI ¹	p	OR ¹	95% CI ¹	p	OR ¹	95% CI ¹	p
Intercept	0.19	0.18, 0.21	<0.001	0.13	0.09, 0.20	<0.001	0.14	0.09, 0.21	<0.001
Time outdoors (hours)	0.94	0.91, 0.97	<0.001	0.96	0.93, 0.99	0.010	0.96	0.93, 0.99	0.016
WIMD quintiles									
Q1 Most deprived 20% (ref)				—	—		—	—	
Q2				0.68	0.53, 0.86	0.001	0.70	0.55, 0.89	0.003
Q3				0.66	0.52, 0.83	<0.001	0.69	0.54, 0.88	0.003
Q4				0.72	0.56, 0.92	0.008	0.77	0.60, 0.99	0.040
Q5 Least deprived 20%				0.68	0.53, 0.89	0.004	0.70	0.54, 0.91	0.007
Gender									
Female (ref)				—	—		—	—	
Male				0.45	0.38, 0.53	<0.001	0.45	0.38, 0.53	<0.001
Age									
16-24 (ref)				—	—		—	—	
25-44				2.79	2.08, 3.79	<0.001	2.76	2.06, 3.75	<0.001
45-64				2.94	2.20, 3.97	<0.001	2.96	2.22, 4.01	<0.001
65-79				1.27	0.92, 1.78	0.151	1.29	0.93, 1.80	0.132
80+				0.68	0.39, 1.15	0.164	0.69	0.39, 1.16	0.174
Economic status									
Employed (ref)				—	—		—	—	
Inactive				1.97	1.64, 2.37	<0.001	1.97	1.64, 2.36	<0.001
Unemployed				2.12	1.37, 3.21	<0.001	2.12	1.37, 3.22	<0.001
Deprivation status									
Not in material deprivation (ref)				—	—		—	—	
In material deprivation				1.82	1.49, 2.23	<0.001	1.84	1.50, 2.26	<0.001
Car use									
No (ref)				—	—		—	—	
Yes				0.68	0.54, 0.86	<0.001	0.69	0.55, 0.87	0.001
Season									
Spring				1.04	0.84, 1.28	0.739	1.05	0.85, 1.29	0.672
Summer				1.19	0.95, 1.47	0.124	1.19	0.96, 1.48	0.121
Autumn (ref)				—	—		—	—	
Winter				1.09	0.87, 1.36	0.467	1.09	0.87, 1.36	0.461
Wave									
2016-17 (ref)				—	—		—	—	
2018-19				1.12	0.96, 1.30	0.158	1.10	0.95, 1.29	0.201
Urban status									
Urban (ref)				—	—		—	—	
Town & fringe							0.77	0.60, 0.97	0.028
Village, hamlet & isolated dwellings							0.87	0.71, 1.07	0.185
AIC									
No. Obs.	5,971			5,971			5,971		
R2	0.003			0.077			0.078		

Footnote: ¹OR = Odds Ratio, CI = Confidence Interval

Table 11: Full generalized linear model results predicting weekly time walking as moderate activity (mins) by a) EVI and b) proximity to nearest GBS.

a) Time walking									
Model terms	Unadjusted			Adjusted			Adj. with urban		
	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value
Intercept	100.88	72.12, 129.63	<0.001	127.27	88.37, 166.16	<0.001	126.53	87.56, 165.50	<0.001
EVI	-109.81	-260.51, 40.89	0.153	-107.11	-259.34, 45.12	0.168	-103.28	-260.35, 53.79	0.198
EVI ²	224.13	33.32, 414.93	0.021	211.09	18.54, 403.64	0.032	211.23	1.13, 421.33	0.049
WIMD quintiles									
Q1 Most deprived 20% (ref)				—	—		—	—	
Q2				7.94	-10.00, 25.87	0.386	8.48	-9.51, 26.47	0.356
Q3				16.35	-1.13, 33.83	0.067	17.08	-0.71, 34.87	0.060
Q4				11.55	-6.76, 29.87	0.216	12.59	-6.12, 31.31	0.187
Q5 Least deprived 20%				15.48	-2.91, 33.88	0.099	15.93	-2.50, 34.36	0.090
Gender									
Female (ref)				—	—		—	—	
Male				1.69	-8.89, 12.27	0.754	1.62	-8.96, 12.20	0.764
Age									
16-24 (ref)				—	—		—	—	
25-44				-11.85	-29.87, 6.17	0.198	-11.94	-29.96, 6.09	0.194
45-64				-40.38	-57.98, -22.78	<0.001	-40.31	-57.93, -22.69	<0.001
65-79				-27.19	-47.10, -7.28	0.007	-27.15	-47.06, -7.23	0.008
80+				-54.47	-84.97, -23.97	<0.001	-54.27	-84.80, -23.75	<0.001
Economic status									
Employed (ref)				—	—		—	—	
Inactive				-19.41	-33.02, -5.81	0.005	-19.57	-33.18, -5.96	0.005
Unemployed				9.39	-23.44, 42.23	0.575	9.84	-23.05, 42.72	0.558
Deprivation status									
Not in material deprivation (ref)				—	—		—	—	
In material deprivation				-21.67	-38.14, -5.20	0.010	-21.26	-37.76, -4.76	0.012
Car use									
No (ref)				—	—		—	—	
Yes				7.11	-11.19, 25.41	0.447	7.27	-11.06, 25.59	0.437
Season									
Spring				-8.60	-23.42, 6.21	0.255	-8.34	-23.17, 6.49	0.270
Summer				-16.17	-30.65, -1.70	0.029	-15.88	-30.37, -1.38	0.032
Autumn (ref)				—	—		—	—	
Winter				-7.87	-23.13, 7.39	0.312	-7.69	-23.00, 7.61	0.325
Urban status									
Urban (ref)				—	—		—	—	
Town & fringe							-7.08	-22.01, 7.84	0.352
Village, hamlet & isolated dwellings							-2.26	-20.61, 16.10	0.810
AIC	43,507			43,468			43,471		
No. Obs.	3,310			3,310			3,310		
R2	0.005			0.026			0.026		

¹CI = Confidence Interval

b) Time walking

Model terms	Unadjusted			Adjusted			Adj. with LA			Adj. with urban		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Intercept	98.05	88.49, 107.60	<0.001	115.39	86.14, 144.64	<0.001	98.80	59.66, 137.95	<0.001	99.60	60.43, 138.78	<0.001
Proximity to nearest GBS (m)												
0 - <100 (ref)	—	—		—	—		—	—		—	—	
100 - <300	0.32	-11.75, 12.38	0.959	3.78	-8.30, 15.87	0.539	1.94	-10.16, 14.05	0.753	2.47	-9.68, 14.61	0.691
300 - <500	-11.74	-28.30, 4.83	0.165	-11.86	-28.48, 4.76	0.162	-19.18	-36.01, -2.35	0.026	-19.22	-36.14, -2.31	0.026
500 - 1100	-20.60	-50.24, 9.04	0.173	-23.13	-52.79, 6.52	0.126	-34.78	-64.80, -4.75	0.023	-34.96	-65.05, -4.87	0.023
WIMD quintiles												
Q1 Most deprived 20% (ref)	—	—		—	—		—	—		—	—	
Q2				8.94	-8.95, 26.83	0.328	8.38	-9.72, 26.49	0.364	8.19	-9.93, 26.32	0.376
Q3				22.78	5.51, 40.05	0.010	13.26	-4.67, 31.19	0.147	11.94	-6.13, 30.02	0.195
Q4				19.32	1.33, 37.30	0.035	12.57	-6.45, 31.58	0.195	10.75	-8.54, 30.04	0.275
Q5 Least deprived 20%				20.11	1.65, 38.56	0.033	10.78	-8.45, 30.02	0.272	10.17	-9.15, 29.48	0.302
Gender												
Female (ref)	—	—		—	—		—	—		—	—	
Male				2.28	-8.30, 12.86	0.673	2.52	-8.06, 13.10	0.640	2.37	-8.21, 12.96	0.660
Age												
16-24 (ref)	—	—		—	—		—	—		—	—	
25-44				-13.40	-31.45, 4.65	0.146	-13.00	-31.05, 5.04	0.158	-12.94	-30.99, 5.10	0.160
45-64				-40.58	-58.25, -22.91	<0.001	-38.80	-56.43, -21.18	<0.001	-39.28	-56.92, -21.64	<0.001
65-79				-26.86	-46.79, -6.93	0.008	-26.35	-46.29, -6.42	0.010	-26.75	-46.70, -6.80	0.009
80+				-55.33	-85.95, -24.70	<0.001	-54.88	-85.45, -24.31	<0.001	-55.30	-85.88, -24.72	<0.001
Economic status												
Employed (ref)	—	—		—	—		—	—		—	—	
Inactive				-19.52	-33.14, -5.90	0.005	-20.88	-34.49, -7.27	0.003	-20.75	-34.37, -7.13	0.003
Unemployed				12.60	-20.27, 45.46	0.453	14.04	-18.79, 46.88	0.402	14.34	-18.52, 47.19	0.392
Deprivation status												
Not in material deprivation (ref)	—	—		—	—		—	—		—	—	
In material deprivation				-21.92	-38.40, -5.44	0.009	-22.35	-38.77, -5.93	0.008	-22.12	-38.56, -5.67	0.008
Car use												
No (ref)	—	—		—	—		—	—		—	—	
Yes				10.05	-8.16, 28.25	0.280	9.70	-8.49, 27.90	0.296	8.94	-9.30, 27.18	0.337
Season												
Spring				-9.11	-23.87, 5.65	0.227	-10.27	-25.01, 4.47	0.172	-10.25	-24.99, 4.50	0.173
Summer				-16.48	-30.97, -2.00	0.026	-16.26	-30.74, -1.77	0.028	-16.22	-30.72, -1.73	0.028
Autumn (ref)	—	—		—	—		—	—		—	—	
Winter				-8.65	-23.77, 6.46	0.262	-9.77	-24.89, 5.35	0.205	-9.96	-25.09, 5.16	0.197
Local authority												
Blaenau Gwent (ref)	—	—		—	—		—	—		—	—	
Bridgend							16.51	-20.78, 53.79	0.386	16.01	-21.45, 53.46	0.402
Caerphilly							1.78	-35.09, 38.66	0.924	1.59	-35.32, 38.50	0.933
Cardiff							56.90	23.15, 90.65	<0.001	57.32	23.55, 91.10	<0.001
Carmarthenshire							33.66	-1.44, 68.75	0.060	30.01	-5.65, 65.68	0.099
Ceredigion							75.77	36.83, 114.71	<0.001	69.00	28.38, 109.63	<0.001
Conwy							12.51	-31.59, 56.62	0.578	11.40	-32.78, 55.57	0.613
Denbighshire							40.92	1.89, 79.96	0.040	39.51	0.31, 78.71	0.048
Flintshire							7.25	-30.15, 44.65	0.704	6.05	-31.43, 43.54	0.752

b) Time walking												
Model terms	Unadjusted			Adjusted			Adj. with LA			Adj. with urban		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
<i>Gwynedd</i>							-16.97	-54.82, 20.89	0.380	-21.85	-61.08, 17.38	0.275
<i>Isle of Anglesey</i>							33.53	-7.02, 74.09	0.105	28.87	-12.77, 70.52	0.174
<i>Merthyr Tydfil</i>							8.76	-32.24, 49.75	0.676	8.57	-32.46, 49.59	0.682
<i>Monmouthshire</i>							70.03	25.77, 114.30	0.002	67.50	23.01, 111.99	0.003
<i>Neath Port Talbot</i>							5.57	-32.83, 43.97	0.776	4.62	-33.84, 43.07	0.814
<i>Newport</i>							14.72	-22.24, 51.69	0.435	14.46	-22.52, 51.43	0.444
<i>Pembrokeshire</i>							50.49	14.06, 86.92	0.007	46.35	8.89, 83.82	0.015
<i>Powys</i>							30.98	-4.78, 66.75	0.090	25.92	-10.88, 62.71	0.168
<i>Rhondda Cynon Taf</i>							-5.99	-40.22, 28.24	0.732	-6.12	-40.40, 28.17	0.727
<i>Swansea</i>							22.48	-10.64, 55.60	0.184	21.76	-11.39, 54.91	0.198
<i>Torfaen</i>							34.98	-5.00, 74.96	0.086	35.13	-4.86, 75.12	0.085
<i>Vale of Glamorgan</i>							31.73	-6.64, 70.10	0.105	30.77	-7.65, 69.18	0.117
<i>Wrexham</i>							27.72	-14.63, 70.08	0.200	26.97	-15.43, 69.36	0.213
Urban status												
<i>Urban (ref)</i>	—	—		—	—		—	—		—	—	
<i>Town & fringe</i>										2.38	-13.50, 18.27	0.769
<i>Village, hamlet & isolated dwellings</i>										10.03	-6.86, 26.93	0.245
AIC	43,520			43,475			43,445			43,448		
No. Obs.	3,310			3,310			3,310			3,310		
R ²	0.001			0.024			0.045			0.046		

Footnote: ¹CI = Confidence Interval

Table 12: Full generalised linear model results predicting subjective wellbeing by weekly time spent walking

Model terms	WEMWBS									Life satisfaction								
	Unadjusted			Adjusted			Adj. with urban			Unadjusted			Adjusted			Adj. with urban		
	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value
Intercept	50.22	49.85, 50.59	<0.001	48.91	47.26, 50.56	<0.001	48.91	47.25, 50.56	<0.001	7.64	7.56, 7.71	<0.001	8.06	7.74, 8.38	<0.001	8.08	7.75, 8.40	<0.001
Time walking (hours)	0.36	0.23, 0.48	<0.001	0.29	0.17, 0.40	<0.001	0.29	0.17, 0.40	<0.001	0.08	0.05, 0.10	<0.001	0.06	0.04, 0.08	<0.001	0.06	0.04, 0.08	<0.001
WIMD quintiles																		
Q1 Most deprived 20% (ref)				—	—		—	—					—	—		—	—	
Q2				0.82	-0.21, 1.84	0.120	0.75	-0.28, 1.78	0.154				0.06	-0.14, 0.26	0.540	0.05	-0.15, 0.25	0.636
Q3				0.56	-0.43, 1.55	0.268	0.41	-0.61, 1.44	0.426				0.10	-0.09, 0.30	0.288	0.05	-0.15, 0.25	0.600
Q4				0.75	-0.28, 1.78	0.153	0.57	-0.51, 1.64	0.299				0.05	-0.15, 0.25	0.621	-0.01	-0.22, 0.20	0.923
Q5 Least deprived 20%				1.25	0.20, 2.31	0.020	1.19	0.13, 2.24	0.028				0.16	-0.05, 0.36	0.133	0.14	-0.06, 0.35	0.176
Gender																		
Female (ref)				—	—		—	—					—	—		—	—	
Male				0.04	-0.57, 0.65	0.894	0.04	-0.57, 0.65	0.893				-0.27	-0.39, 0.15	<0.001	-0.27	-0.39, 0.16	<0.001
Age																		
16-24 (ref)				—	—		—	—					—	—		—	—	
25-44				-0.35	-1.39, 0.68	0.506	-0.34	-1.38, 0.69	0.514				-0.33	-0.53, 0.13	0.001	-0.33	-0.53, 0.13	0.001
45-64				-0.62	-1.63, 0.40	0.235	-0.64	-1.65, 0.38	0.218				-0.55	-0.75, 0.36	<0.001	-0.56	-0.76, 0.37	<0.001
65-79				2.11	0.96, 3.25	<0.001	2.08	0.94, 3.23	<0.001				0.13	-0.09, 0.35	0.251	0.12	-0.10, 0.34	0.292
80+				1.62	-0.14, 3.37	0.072	1.58	-0.18, 3.34	0.078				0.08	-0.26, 0.43	0.628	0.07	-0.27, 0.41	0.682
Economic status																		
Employed (ref)				—	—		—	—					—	—		—	—	
Inactive				-1.73	-2.52, 0.95	<0.001	-1.72	-2.51, 0.94	<0.001				-0.34	-0.49, 0.18	<0.001	-0.34	-0.49, 0.18	<0.001
Unemployed				-0.64	-2.52, 1.25	0.509	-0.67	-2.56, 1.22	0.486				-0.62	-0.99, 0.25	<0.001	-0.62	-0.99, 0.25	<0.001
Deprivation status																		
Not in material deprivation (ref)				—	—		—	—					—	—		—	—	
In material deprivation				-5.75	-6.70, 4.81	<0.001	-5.78	-6.73, 4.83	<0.001				-1.23	-1.42, 1.05	<0.001	-1.23	-1.41, 1.04	<0.001
Car use																		
No (ref)				—	—		—	—					—	—		—	—	
Yes				2.26	1.21, 3.31	<0.001	2.21	1.16, 3.26	<0.001				0.38	0.18, 0.59	<0.001	0.36	0.16, 0.57	<0.001

Model terms	WEMWBS						Life satisfaction											
	Unadjusted			Adjusted			Adj. with urban			Unadjusted			Adjusted			Adj. with urban		
	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value	Beta	95% CI ¹	p-value
Season																		
<i>Spring</i>				-0.40	-1.24, 0.45	0.361	-0.40	-1.25, 0.45	0.356				-0.21	-0.38, 0.05	0.011	-0.21	-0.38, 0.05	0.012
<i>Summer</i>				0.55	-0.28, 1.39	0.192	0.54	-0.29, 1.38	0.203				-0.17	-0.33, 0.01	0.041	-0.17	-0.33, 0.00	0.045
<i>Autumn (ref)</i>				—	—		—	—					—	—		—	—	
<i>Winter</i>				0.10	-0.77, 0.97	0.816	0.10	-0.77, 0.97	0.827				-0.03	-0.20, 0.14	0.744	-0.03	-0.20, 0.14	0.704
Urban status																		
<i>Urban (ref)</i>				—	—		—	—					—	—		—	—	
<i>Town & fringe</i>							0.52	-0.32, 1.37	0.223							0.04	-0.13, 0.20	0.667
<i>Village, hamlet & isolated dwellings</i>							0.40	-0.42, 1.22	0.339							0.17	0.01, 0.33	0.035
AIC	24,850			24,565			24,567			14,083			13,730			13,729		
No. Obs.	3,310			3,310			3,310			3,310			3,310			3,310		
R ²	0.010			0.100			0.101			0.012			0.121			0.122		

Footnote: ¹CI = Confidence Interval

Table 13: Generalised linear modelling results exploring the potential for mediation of the relationship between EVI and WEMWBS by weekly time walking.

WEMWBS																		
Model terms	Unadjusted			Unadj. with walking			Adjusted			Adj. with walking			Adj. with Urban			Adj. urban walk		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Intercept	0.00	-0.04, 0.04	0.865	0.00	-0.04, 0.04	0.845	-0.14	-0.32, 0.04	0.117	-0.15	-0.33, 0.02	0.086	-0.15	-0.32, 0.03	0.104	-0.16	-0.34, 0.02	0.075
Standardised EVI	0.03	0.00, 0.07	0.066	0.03	-0.01, 0.06	0.116	0.00	-0.04, 0.03	0.801	-0.01	-0.04, 0.03	0.657	-0.01	-0.05, 0.03	0.639	-0.01	-0.05, 0.03	0.518
Standardised EVI ²	0.03	0.00, 0.05	0.018	0.03	0.00, 0.05	0.032	0.03	0.00, 0.05	0.020	0.03	0.00, 0.05	0.031	0.03	0.00, 0.05	0.036	0.03	0.00, 0.05	0.053
Standardised time walking				0.09	0.06, 0.12	<0.001				0.07	0.04, 0.11	<0.001				0.08	0.04, 0.11	<0.001
WIMD quintiles																		
Q1 Most deprived 20% (ref)							—	—		—	—		—	—		—	—	
Q2							0.10	-0.01, 0.21	0.083	0.09	-0.02, 0.20	0.096	0.09	-0.02, 0.20	0.100	0.09	-0.02, 0.20	0.116
Q3							0.07	-0.04, 0.17	0.222	0.06	-0.05, 0.16	0.282	0.06	-0.05, 0.17	0.281	0.05	-0.06, 0.16	0.354
Q4							0.08	-0.03, 0.19	0.160	0.07	-0.04, 0.19	0.191	0.07	-0.04, 0.18	0.224	0.06	-0.05, 0.18	0.266
Q5 Least deprived 20%							0.15	0.03, 0.26	0.011	0.14	0.03, 0.25	0.016	0.14	0.03, 0.25	0.013	0.13	0.02, 0.25	0.019
Gender																		
Female (ref)							—	—		—	—		—	—		—	—	
Male							0.00	-0.06, 0.07	0.918	0.00	-0.06, 0.07	0.938	0.00	-0.06, 0.07	0.903	0.00	-0.06, 0.07	0.923
Age																		
16-24 (ref)							—	—		—	—		—	—		—	—	
25-44							-0.04	-0.15, 0.07	0.519	-0.03	-0.14, 0.08	0.588	-0.04	-0.15, 0.07	0.527	-0.03	-0.14, 0.08	0.597
45-64							-0.08	-0.19, 0.03	0.141	-0.06	-0.17, 0.05	0.269	-0.08	-0.19, 0.03	0.138	-0.06	-0.17, 0.05	0.264
65-79							0.21	0.09, 0.34	<0.001	0.23	0.11, 0.35	<0.001	0.21	0.09, 0.33	<0.001	0.23	0.11, 0.35	<0.001
80+							0.15	-0.04, 0.33	0.118	0.18	-0.01, 0.36	0.064	0.15	-0.04, 0.33	0.123	0.17	-0.01, 0.36	0.067
Economic status																		
Employed (ref)							—	—		—	—		—	—		—	—	
Inactive							-0.19	-0.27, 0.11	<0.001	-0.18	-0.27, 0.10	<0.001	-0.19	-0.27, 0.11	<0.001	-0.18	-0.26, 0.10	<0.001
Unemployed							-0.07	-0.27, 0.13	0.515	-0.07	-0.27, 0.13	0.485	-0.07	-0.27, 0.13	0.495	-0.07	-0.27, 0.13	0.464
Deprivation status																		
Not in material deprivation (ref)							—	—		—	—		—	—		—	—	
In material deprivation							-0.61	-0.72, 0.51	<0.001	-0.60	-0.70, 0.50	<0.001	-0.62	-0.72, 0.52	<0.001	-0.61	-0.71, 0.51	<0.001
Car use																		

WEMWBS																			
Model terms	Unadjusted			Unadj. with walking			Adjusted			Adj. with walking			Adj. with Urban			Adj. urban walk			
	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	
<i>No (ref)</i>																			
<i>Yes</i>							0.25	0.13, 0.36	<0.001	0.24	0.13, 0.35	<0.001	0.24	0.13, 0.36	<0.001	0.24	0.13, 0.35	<0.001	
Season																			
<i>Spring</i>							-0.05	-0.14, 0.04	0.249	-0.05	-0.14, 0.04	0.287	-0.06	-0.15, 0.04	0.231	-0.05	-0.14, 0.04	0.266	
<i>Summer</i>							0.05	-0.04, 0.14	0.267	0.06	-0.03, 0.15	0.196	0.05	-0.04, 0.14	0.291	0.06	-0.03, 0.14	0.217	
<i>Autumn (ref)</i>																			
<i>Winter</i>							0.00	-0.10, 0.09	0.949	0.00	-0.09, 0.09	0.985	0.00	-0.10, 0.09	0.921	0.00	-0.09, 0.09	0.985	
Urban status																			
<i>Urban (ref)</i>																			
<i>Town & fringe</i>													0.06	-0.03, 0.15	0.212	0.06	-0.03, 0.15	0.184	
<i>Village, hamlet & isolated dwellings</i>													0.02	-0.09, 0.13	0.688	0.02	-0.09, 0.14	0.672	
AIC	9,996			9,967			9,706				9,686			9,709			9,688		
No. Obs.	3,310			3,310			3,310				3,310			3,310			3,310		
<i>R</i> ²	0.003			0.012			0.095				0.101			0.096			0.102		

Footnote: ¹CI = Confidence Interval

Table 14: Generalised linear model results exploring the potential for mediation of the relationship between EVI and life satisfaction by weekly time walking as moderate PA

Life satisfaction																		
Model terms	Unadjusted			Unadj. with walking			Adjusted			Adj. with walking			Urban adjusted			Urban adjusted with walking		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Intercept	-0.01	-0.05, 0.03	0.660	-0.01	-0.05, 0.03	0.638	0.22	0.04, 0.39	0.014	0.20	0.03, 0.37	0.021	0.22	0.05, 0.39	0.013	0.21	0.03, 0.38	0.020
Standardised EVI	0.02	-0.01, 0.06	0.189	0.02	-0.02, 0.05	0.309	0.00	-0.04, 0.03	0.861	-0.01	-0.04, 0.03	0.701	-0.03	-0.07, 0.01	0.218	-0.03	-0.07, 0.01	0.154
Standardised EVI ²	0.03	0.00, 0.05	0.035	0.02	0.00, 0.05	0.061	0.02	0.00, 0.05	0.046	0.02	0.00, 0.04	0.070	0.01	-0.01, 0.04	0.294	0.01	-0.01, 0.04	0.381
Standardised time walking				0.10	0.07, 0.13	<0.001				0.08	0.05, 0.11	<0.001				0.08	0.05, 0.11	<0.001
WIMD quintiles																		
Q1 Most deprived 20% (ref)							—	—		—	—		—	—		—	—	
Q2							0.04	-0.06, 0.15	0.433	0.04	-0.07, 0.15	0.478	0.04	-0.07, 0.14	0.505	0.03	-0.07, 0.14	0.557
Q3							0.06	-0.04, 0.17	0.232	0.05	-0.05, 0.16	0.300	0.04	-0.06, 0.15	0.418	0.03	-0.07, 0.14	0.520
Q4							0.03	-0.08, 0.14	0.604	0.02	-0.09, 0.13	0.682	0.01	-0.10, 0.12	0.906	0.00	-0.11, 0.11	>0.999
Q5 Least deprived 20%							0.10	-0.01, 0.21	0.086	0.09	-0.02, 0.20	0.115	0.09	-0.02, 0.20	0.099	0.08	-0.03, 0.19	0.133
Gender																		
Female (ref)							—	—		—	—		—	—		—	—	
Male							-0.15	-0.21, -0.08	<0.001	-0.15	-0.21, -0.08	<0.001	-0.14	-0.21, -0.08	<0.001	-0.15	-0.21, -0.08	<0.001
Age																		
16-24 (ref)							—	—		—	—		—	—		—	—	
25-44							-0.18	-0.28, -0.07	0.001	-0.17	-0.28, -0.06	0.002	-0.18	-0.28, -0.07	0.001	-0.17	-0.28, -0.06	0.002
45-64							-0.31	-0.42, -0.21	<0.001	-0.29	-0.40, -0.19	<0.001	-0.32	-0.42, -0.21	<0.001	-0.29	-0.40, -0.19	<0.001
65-79							0.06	-0.06, 0.18	0.332	0.07	-0.05, 0.19	0.226	0.06	-0.06, 0.17	0.358	0.07	-0.05, 0.19	0.246
80+							0.02	-0.16, 0.20	0.830	0.05	-0.13, 0.23	0.598	0.01	-0.17, 0.20	0.884	0.04	-0.14, 0.22	0.648
Economic status																		
Employed (ref)							—	—		—	—		—	—		—	—	
Inactive							-0.19	-0.27, -0.11	<0.001	-0.18	-0.26, -0.10	<0.001	-0.19	-0.27, -0.11	<0.001	-0.18	-0.26, -0.10	<0.001
Unemployed							-0.33	-0.52, -0.13	0.001	-0.33	-0.53, -0.14	<0.001	-0.32	-0.52, -0.12	0.001	-0.33	-0.52, -0.13	0.001
Deprivation status																		
Not in material deprivation (ref)							—	—		—	—		—	—		—	—	
In material deprivation							-0.66	-0.76, -0.56	<0.001	-0.65	-0.75, -0.55	<0.001	-0.66	-0.76, -0.56	<0.001	-0.65	-0.75, -0.55	<0.001
Car use																		

Life satisfaction																		
Model terms	Unadjusted			Unadj. with walking			Adjusted			Adj. with walking			Urban adjusted			Urban adjusted with walking		
	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>
<i>No (ref)</i>																		
<i>Yes</i>				0.21	0.10, 0.32	<0.001	0.21	0.10, 0.31	<0.001	0.20	0.09, 0.31	<0.001	0.20	0.09, 0.31	<0.001			
Season																		
<i>Spring</i>				-0.12	-0.21, -0.04	0.006	-0.12	-0.21, -0.03	0.008	-0.12	-0.21, -0.04	0.006	-0.12	-0.21, -0.04	0.006	-0.12	-0.21, -0.03	0.007
<i>Summer</i>				-0.10	-0.19, -0.01	0.025	-0.09	-0.18, 0.00	0.040	-0.10	-0.18, -0.01	0.026	-0.09	-0.18, 0.00	0.041			
<i>Autumn (ref)</i>																		
<i>Winter</i>				-0.03	-0.12, 0.06	0.555	-0.02	-0.11, 0.07	0.615	-0.03	-0.13, 0.06	0.457	-0.03	-0.12, 0.06	0.510			
Urban status																		
<i>Urban (ref)</i>																		
<i>Town & fringe</i>										0.03	-0.06, 0.12	0.538	0.03	-0.06, 0.12	0.483			
<i>Village, hamlet & isolated dwellings</i>										0.11	0.00, 0.22	0.042	0.11	0.01, 0.22	0.039			
AIC	9,929			9,892			9,565			9,541			9,565			9,540		
No. Obs.	3,310			3,310			3,310			3,310			3,310			3,310		
<i>R</i> ²	0.002			0.014			0.115			0.122			0.116			0.123		

Footnote: ¹CI = Confidence Interval

Table 15: Generalised linear model results predicting weekly time walking as moderate PA (mins) by weekly time outdoors (mins)

Time walking									
Model terms	Unadjusted			Adjusted			Adj. with urban		
	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>
Intercept	59.73	52.94, 66.53	<0.001	89.46	61.61, 117.30	<0.001	90.72	62.85, 118.60	<0.001
Time outdoors (mins)	0.27	0.23, 0.30	<0.001	0.25	0.22, 0.29	<0.001	0.25	0.22, 0.29	<0.001
WIMD quintiles									
<i>Q1 Most deprived 20% (ref)</i>				—	—		—	—	
<i>Q2</i>				2.39	-14.98, 19.75	0.788	2.65	-14.78, 20.08	0.766
<i>Q3</i>				12.39	-4.34, 29.12	0.147	11.14	-6.11, 28.38	0.206
<i>Q4</i>				10.46	-6.95, 27.87	0.239	9.24	-8.90, 27.37	0.318
<i>Q5 Least deprived 20%</i>				7.48	-10.32, 25.28	0.410	7.65	-10.21, 25.50	0.401
Gender									
<i>Female (ref)</i>				—	—		—	—	
<i>Male</i>				-2.13	-12.41, 8.15	0.684	-2.29	-12.57, 7.99	0.663
Age									
<i>16-24 (ref)</i>				—	—		—	—	
<i>25-44</i>				-15.27	-32.74, 2.20	0.087	-15.30	-32.76, 2.17	0.086
<i>45-64</i>				-35.76	-52.83, -18.69	<0.001	-36.01	-53.10, -18.93	<0.001
<i>65-79</i>				-15.67	-35.00, 3.66	0.112	-15.99	-35.34, 3.36	0.105
<i>80+</i>				-27.72	-57.52, 2.08	0.068	-28.00	-57.83, 1.83	0.066
Economic status									
<i>Employed (ref)</i>				—	—		—	—	
<i>Inactive</i>				-19.65	-32.86, -6.44	0.004	-19.96	-33.17, -6.75	0.003
<i>Unemployed</i>				4.19	-27.68, 36.05	0.797	5.15	-26.74, 37.03	0.752
Deprivation status									
<i>Not in material deprivation (ref)</i>				—	—		—	—	
<i>In material deprivation</i>				-14.88	-30.89, 1.13	0.069	-14.11	-30.14, 1.93	0.085
Car use									
<i>No (ref)</i>				—	—		—	—	
<i>Yes</i>				3.69	-13.97, 21.36	0.682	3.14	-14.59, 20.88	0.728
Season									
<i>Spring</i>				-5.08	-19.39, 9.24	0.487	-4.68	-19.00, 9.64	0.522
<i>Summer</i>				-18.21	-32.25, -4.16	0.011	-17.61	-31.67, -3.55	0.014
<i>Autumn (ref)</i>				—	—		—	—	
<i>Winter</i>				-2.93	-17.60, 11.75	0.696	-3.19	-17.87, 11.48	0.670
Urban status									
<i>Urban (ref)</i>				—	—		—	—	
<i>Town & fringe</i>							-9.17	-23.40, 5.05	0.206
<i>Village, hamlet & isolated dwellings</i>							6.16	-7.75, 20.07	0.386
AIC	43,284			43,271			43,272		
No. Obs.	3,310			3,310			3,310		
<i>R</i> ²	0.069			0.081			0.082		

Footnote: ¹CI = Confidence Interval

Table 16: Generalised linear model results exploring the potential for mediation of the relationship between time outdoors and WEMWBS by time walking as moderate PA

WEMWBS																		
Model terms	Unadjusted			Unadj. with walk			Adjusted			Adj. with walking			Adj. with Urban			Urban adj. with walking		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Intercept	0.12	0.06, 0.17	<0.001	0.11	0.05, 0.16	<0.001	-0.03	-0.20, 0.15	0.776	-0.04	-0.22, 0.14	0.660	-0.03	-0.20, 0.15	0.766	-0.04	-0.22, 0.14	0.647
Standardised outdoors ² time	0.25	0.19, 0.30	<0.001	0.22	0.16, 0.28	<0.001	0.21	0.15, 0.27	<0.001	0.19	0.13, 0.25	<0.001	0.21	0.15, 0.26	<0.001	0.19	0.13, 0.25	<0.001
Standardised outdoors ² time	-0.10	-0.15, -0.06	<0.001	-0.10	-0.14, -0.05	<0.001	-0.08	-0.13, -0.04	<0.001	-0.08	-0.12, -0.03	<0.001	-0.08	-0.13, -0.04	<0.001	-0.08	-0.12, -0.03	<0.001
Standardised walking time				0.06	0.02, 0.09	<0.001				0.05	0.01, 0.08	0.004				0.05	0.02, 0.08	0.004
WIMD quintiles																		
Q1 Most deprived 20% (ref)							—	—		—	—		—	—		—	—	
Q2							0.06	-0.05, 0.17	0.305	0.06	-0.05, 0.17	0.304	0.05	-0.06, 0.16	0.342	0.05	-0.06, 0.16	0.341
Q3							0.03	-0.07, 0.14	0.520	0.03	-0.07, 0.14	0.561	0.03	-0.08, 0.13	0.636	0.02	-0.08, 0.13	0.675
Q4							0.05	-0.05, 0.16	0.321	0.05	-0.06, 0.16	0.344	0.04	-0.07, 0.16	0.443	0.04	-0.07, 0.15	0.466
Q5 Least deprived 20%							0.10	-0.01, 0.21	0.078	0.10	-0.01, 0.21	0.082	0.10	-0.02, 0.21	0.091	0.09	-0.02, 0.21	0.096
Gender																		
Female (ref)							—	—		—	—		—	—		—	—	
Male							0.00	-0.07, 0.06	0.934	0.00	-0.07, 0.06	0.942	0.00	-0.07, 0.06	0.939	0.00	-0.07, 0.06	0.948
Age																		
16-24 (ref)							—	—		—	—		—	—		—	—	
25-44							-0.05	-0.15, 0.06	0.410	-0.04	-0.15, 0.07	0.456	-0.05	-0.15, 0.06	0.415	-0.04	-0.15, 0.07	0.462
45-64							-0.06	-0.16, 0.05	0.307	-0.05	-0.15, 0.06	0.404	-0.06	-0.16, 0.05	0.295	-0.05	-0.15, 0.06	0.391
65-79							0.26	0.14, 0.38	<0.001	0.26	0.14, 0.39	<0.001	0.26	0.14, 0.38	<0.001	0.26	0.14, 0.38	<0.001
80+							0.26	0.07, 0.44	0.007	0.26	0.08, 0.45	0.006	0.25	0.07, 0.44	0.008	0.26	0.07, 0.45	0.006
Economic status																		
Employed (ref)							—	—		—	—		—	—		—	—	
Inactive							-0.18	-0.26, -0.10	<0.001	-0.18	-0.26, -0.09	<0.001	-0.18	-0.26, -0.10	<0.001	-0.18	-0.26, -0.09	<0.001
Unemployed							-0.08	-0.27, 0.12	0.450	-0.08	-0.28, 0.12	0.439	-0.08	-0.28, 0.12	0.436	-0.08	-0.28, 0.12	0.424
Deprivation status																		
Not in material deprivation (ref)							—	—		—	—		—	—		—	—	
In material deprivation							-0.59	-0.69, -0.49	<0.001	-0.59	-0.69, -0.49	<0.001	-0.59	-0.69, -0.49	<0.001	-0.59	-0.69, -0.49	<0.001
Car use																		
No (ref)							—	—		—	—		—	—		—	—	

WEMWBS																		
Model terms	Unadjusted			Unadj. with walk			Adjusted			Adj. with walking			Adj. with Urban			Urban adj. with walking		
	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>
Yes							0.22	0.11, 0.33	<0.001	0.22	0.11, 0.33	<0.001	0.21	0.10, 0.32	<0.001	0.21	0.10, 0.32	<0.001
Season																		
<i>Spring</i>				-0.03	-0.12, 0.06	0.542	-0.03	-0.12, 0.06	0.560	-0.03	-0.12, 0.06	0.534	-0.03	-0.12, 0.06	0.550	-0.03	-0.12, 0.06	0.550
<i>Summer</i>				0.05	-0.04, 0.13	0.309	0.05	-0.04, 0.14	0.252	0.04	-0.04, 0.13	0.320	0.05	-0.04, 0.14	0.263	0.05	-0.04, 0.14	0.263
<i>Autumn (ref)</i>				—	—		—	—		—	—		—	—		—	—	
<i>Winter</i>				0.03	-0.06, 0.12	0.483	0.03	-0.06, 0.12	0.477	0.03	-0.06, 0.12	0.490	0.03	-0.06, 0.12	0.483	0.03	-0.06, 0.12	0.483
Urban status																		
<i>Urban (ref)</i>				—	—		—	—		—	—		—	—		—	—	
<i>Town & fringe</i>										0.04	-0.05, 0.12	0.425	0.04	-0.05, 0.13	0.388	0.04	-0.05, 0.13	0.388
<i>Village, hamlet & isolated dwellings</i>										0.02	-0.06, 0.11	0.609	0.02	-0.07, 0.11	0.636	0.02	-0.07, 0.11	0.636
AIC	9,921			9,912			9,647			9,641			9,651			9,644		
No. Obs.	3,310			3,310			3,310			3,310			3,310			3,310		
<i>R</i> ²	0.025			0.029			0.111			0.113			0.111			0.114		

Footnote: ¹CI = Confidence Interval

Table 17: Generalised linear model results exploring the potential for mediation of the relationship between time outdoors and life satisfaction by time walking as moderate PA

Life satisfaction																		
Model terms	Unadjusted			Unadj. with walking			Adjusted			Adj. with walking			Adj. with Urban			Urban adj. with walking		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Intercept	0.01	-0.02, 0.04	0.490	0.01	-0.02, 0.04	0.556	0.25	0.08, 0.42	0.004	0.24	0.07, 0.40	0.006	0.26	0.09, 0.43	0.003	0.24	0.07, 0.41	0.005
Standardised time outdoors	0.08	0.05, 0.11	<0.001	0.06	0.02, 0.09	<0.001	0.07	0.04, 0.10	<0.001	0.05	0.02, 0.08	0.002	0.07	0.04, 0.10	<0.001	0.05	0.02, 0.08	0.003
Standardised time walking				0.09	0.06, 0.12	<0.001				0.07	0.04, 0.10	<0.001				0.07	0.04, 0.10	<0.001
WIMD quintiles																		
Q1 Most deprived 20% (ref)							—	—		—	—		—	—		—	—	
Q2							0.03	-0.08, 0.13	0.627	0.03	-0.08, 0.13	0.640	0.02	-0.09, 0.13	0.707	0.02	-0.09, 0.13	0.723
Q3							0.05	-0.05, 0.15	0.329	0.05	-0.06, 0.15	0.383	0.03	-0.08, 0.13	0.621	0.02	-0.08, 0.13	0.688
Q4							0.02	-0.08, 0.13	0.669	0.02	-0.09, 0.13	0.733	-0.01	-0.12, 0.11	0.920	-0.01	-0.12, 0.10	0.862
Q5 Least deprived 20%							0.07	-0.03, 0.18	0.180	0.07	-0.04, 0.18	0.199	0.07	-0.04, 0.18	0.220	0.07	-0.04, 0.17	0.243
Gender																		
Female (ref)							—	—		—	—		—	—		—	—	
Male							-0.15	-0.21, -0.09	<0.001	-0.15	-0.21, -0.09	<0.001	-0.15	-0.22, -0.09	<0.001	-0.15	-0.21, -0.09	<0.001
Age																		
16-24 (ref)							—	—		—	—		—	—		—	—	
25-44							-0.19	-0.29, -0.08	<0.001	-0.18	-0.29, -0.07	<0.001	-0.19	-0.29, -0.08	<0.001	-0.18	-0.29, -0.07	0.001
45-64							-0.31	-0.41, -0.20	<0.001	-0.29	-0.40, -0.19	<0.001	-0.31	-0.42, -0.21	<0.001	-0.30	-0.40, -0.19	<0.001
65-79							0.07	-0.04, 0.19	0.220	0.08	-0.04, 0.20	0.178	0.07	-0.05, 0.19	0.257	0.08	-0.04, 0.19	0.209
80+							0.06	-0.12, 0.25	0.496	0.08	-0.11, 0.26	0.413	0.06	-0.13, 0.24	0.547	0.07	-0.11, 0.25	0.460
Economic status																		
Employed (ref)							—	—		—	—		—	—		—	—	
Inactive							-0.19	-0.27, -0.11	<0.001	-0.18	-0.26, -0.10	<0.001	-0.19	-0.27, -0.11	<0.001	-0.18	-0.26, -0.10	<0.001
Unemployed							-0.34	-0.53, -0.14	<0.001	-0.34	-0.53, -0.14	<0.001	-0.34	-0.53, -0.14	<0.001	-0.34	-0.53, -0.14	<0.001
Deprivation status																		
Not in material deprivation (ref)							—	—		—	—		—	—		—	—	
In material deprivation							-0.65	-0.75, -0.55	<0.001	-0.65	-0.74, -0.55	<0.001	-0.65	-0.75, -0.55	<0.001	-0.65	-0.74, -0.55	<0.001
Car use																		
No (ref)							—	—		—	—		—	—		—	—	

Life satisfaction																		
Model terms	Unadjusted			Unadj. with walking			Adjusted			Adj. with walking			Adj. with Urban			Urban adj. with walking		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Yes							0.20	0.09, 0.31	<0.001	0.20	0.09, 0.30	<0.001	0.19	0.08, 0.30	<0.001	0.19	0.08, 0.29	<0.001
Season																		
<i>Spring</i>							-0.11	-0.20, -0.02	0.013	-0.11	-0.20, -0.02	0.015	-0.11	-0.20, -0.02	0.015	-0.11	-0.20, -0.02	0.016
<i>Summer</i>							-0.10	-0.19, -0.02	0.021	-0.09	-0.18, -0.01	0.034	-0.10	-0.19, -0.01	0.024	-0.09	-0.18, -0.01	0.038
<i>Autumn (ref)</i>							—	—		—	—		—	—		—	—	
<i>Winter</i>							-0.01	-0.10, 0.08	0.845	-0.01	-0.10, 0.08	0.867	-0.01	-0.10, 0.08	0.800	-0.01	-0.10, 0.08	0.824
Urban status																		
<i>Urban (ref)</i>							—	—		—	—		—	—		—	—	
<i>Town & fringe</i>													0.01	-0.08, 0.10	0.859	0.01	-0.08, 0.10	0.787
<i>Village, hamlet & isolated dwellings</i>													0.09	0.00, 0.17	0.050	0.08	0.00, 0.17	0.057
AIC	9,909			9,884			9,548			9,532			9,548			9,532		
No. Obs.	3,310			3,310			3,310			3,310			3,310			3,310		
R ²	0.007			0.016			0.118			0.123			0.120			0.124		

Footnote: ¹CI = Confidence Interval

Table 18: Generalised linear modelling results predicting subjective wellbeing (WEMWBS & life satisfaction) by environmental exposures (EVI, GBS proximity and leisure time outdoors) with an interaction with deprivation status

Model terms	WEMWBS			Life satisfaction			WEMWBS			Life satisfaction			WEMWBS			Life satisfaction		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
Intercept	50.69	48.91, 52.48	<0.001	8.17	7.82, 8.52	<0.001	47.78	46.13, 49.43	<0.001	7.93	7.61, 8.25	<0.001	48.07	46.81, 49.34	<0.001	7.82	7.58, 8.06	<0.001
EVI	-10.53	-18.05, -3.01	0.006	-1.73	-3.19, -0.28	0.020												
EVI ²	13.07	2.97, 23.17	0.011	2.27	0.31, 4.23	0.023												
Proximity to nearest GBS (m)																		
0 - <100	—	—		—	—		—	—		—	—		—	—		—	—	
100 - <300							-0.10	-0.65, 0.46	0.735	-0.04	-0.15, 0.06	0.432						
300 - <500							-0.59	-1.36, 0.19	0.139	-0.11	-0.26, 0.04	0.141						
500 - 1100							0.39	-0.88, 1.67	0.545	-0.09	-0.34, 0.16	0.471						
Time outdoors (hours)													0.69	0.32, 1.07	<0.001	0.05	0.03, 0.06	<0.001
Time outdoors (hours) ²													-0.03	-0.09, 0.02	0.189			
Deprivation status																		
Not in material deprivation (ref)				—	—		—	—		—	—		—	—		—	—	
In material deprivation	-6.76	-10.26, -3.27	<0.001	-2.13	-2.80, -1.45	<0.001	-7.04	-8.21, -5.87	<0.001	-1.41	-1.63, -1.18	<0.001	-7.15	-8.17, -6.13	<0.001	-1.53	-1.70, -1.35	<0.001
Interactions																		
EVI x deprivation status																		
EVI x In material deprivation	3.24	-16.90, 23.38	0.753	3.48	-0.42, 7.38	0.081												
EVI x Not in material deprivation (ref)																		
EVI ² x deprivation status																		
EVI ² x In material deprivation	-5.31	-33.48, 22.85	0.712	-3.14	-8.60, 2.32	0.259												
EVI ² x Not in material deprivation (ref)																		
Proximity to nearest GBS (m) x Deprivation status																		
<100 m x Not in material deprivation (ref)																		
100 - <300 x In material deprivation							1.07	-0.40, 2.54	0.155	0.06	-0.23, 0.34	0.706						
300 - <500 x In material deprivation							0.85	-1.30, 3.01	0.437	0.09	-0.33, 0.51	0.667						
500 - 1100 x In material deprivation							-1.98	-6.29, 2.33	0.368	-0.29	-1.13, 0.55	0.496						
Time outdoors (hours) x Deprivation status																		
Time outdoors (hours) * Not in material deprivation (ref)																		

Model terms	WEMWBS			Life satisfaction			WEMWBS			Life satisfaction			WEMWBS			Life satisfaction		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
<i>Time outdoors (hours) * In material deprivation</i>													1.41	0.39, 2.43	0.007	0.08	0.03, 0.13	0.002
Time outdoors (hours) ² x Deprivation status																		
<i>Time outdoors (hours)² x Not in material deprivation (ref)</i>																		
<i>Time outdoors (hours)² x In material deprivation</i>													-0.18	-0.33, -0.04	0.014			
WIMD quintiles																		
Q1 Most deprived 20% (ref)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q2	0.97	0.20, 1.73	0.013	0.04	-0.11, 0.19	0.589	0.92	0.15, 1.69	0.019	0.05	-0.10, 0.20	0.540	0.72	-0.04, 1.47	0.064	0.03	-0.12, 0.18	0.683
Q3	0.48	-0.28, 1.24	0.215	0.04	-0.10, 0.19	0.558	0.35	-0.42, 1.13	0.374	0.06	-0.09, 0.21	0.458	0.25	-0.50, 1.01	0.507	0.04	-0.11, 0.18	0.624
Q4	0.56	-0.24, 1.35	0.170	-0.08	-0.23, 0.08	0.326	0.54	-0.29, 1.36	0.201	-0.01	-0.17, 0.15	0.861	0.34	-0.45, 1.13	0.396	-0.08	-0.23, 0.07	0.300
Q5 Least deprived 20%	1.25	0.45, 2.05	0.002	0.08	-0.08, 0.23	0.322	0.67	-0.16, 1.50	0.112	0.12	-0.04, 0.28	0.137	0.82	0.03, 1.62	0.041	0.04	-0.11, 0.20	0.572
Gender																		
<i>Female (ref)</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Male</i>	0.63	0.18, 1.08	0.006	-0.06	-0.14, 0.03	0.214	0.68	0.23, 1.13	0.003	-0.04	-0.13, 0.05	0.344	0.53	0.08, 0.98	0.020	-0.07	-0.15, 0.02	0.130
Age																		
<i>16-24 (ref)</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>25-44</i>	-0.07	-0.84, 0.71	0.867	-0.06	-0.21, 0.09	0.445	-0.17	-0.94, 0.61	0.676	-0.07	-0.22, 0.08	0.355	-0.13	-0.90, 0.64	0.744	-0.08	-0.23, 0.07	0.319
<i>45-64</i>	-0.39	-1.15, 0.36	0.306	-0.28	-0.43, -0.14	<0.001	-0.55	-1.30, 0.21	0.155	-0.31	-0.45, -0.16	<0.001	-0.18	-0.93, 0.57	0.638	-0.27	-0.41, -0.12	<0.001
<i>65-79</i>	2.02	1.18, 2.87	<0.001	0.21	0.04, 0.37	0.013	1.84	0.99, 2.68	<0.001	0.18	0.02, 0.35	0.030	2.36	1.51, 3.20	<0.001	0.23	0.06, 0.39	0.007
<i>80+</i>	1.03	-0.26, 2.33	0.118	0.21	-0.04, 0.46	0.098	0.96	-0.33, 2.25	0.145	0.20	-0.05, 0.45	0.117	1.79	0.49, 3.09	0.007	0.27	0.02, 0.52	0.034
Economic status																		
<i>Employed (ref)</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Inactive</i>	-1.17	-1.76, -0.59	<0.001	-0.29	-0.40, -0.18	<0.001	-1.14	-1.72, -0.55	<0.001	-0.29	-0.41, -0.18	<0.001	-1.11	-1.69, -0.53	<0.001	-0.28	-0.40, -0.17	<0.001
<i>Unemployed</i>	-1.13	-2.64, 0.39	0.145	-0.56	-0.85, -0.27	<0.001	-0.85	-2.36, 0.66	0.273	-0.55	-0.84, -0.25	<0.001	-0.92	-2.42, 0.58	0.228	-0.52	-0.82, -0.23	<0.001
Car use																		
<i>No (ref)</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Yes</i>	2.27	1.48, 3.05	<0.001	0.36	0.21, 0.52	<0.001	2.32	1.53, 3.10	<0.001	0.37	0.22, 0.53	<0.001	1.90	1.13, 2.68	<0.001	0.33	0.18, 0.48	<0.001
Season																		
<i>Spring</i>	-0.25	-0.87, 0.36	0.419	-0.15	-0.27, -0.03	0.014	-0.34	-0.95, 0.28	0.284	-0.15	-0.27, -0.03	0.013	-0.10	-0.71, 0.51	0.751	-0.14	-0.26, -0.02	0.020

Model terms	WEMWBS			Life satisfaction			WEMWBS			Life satisfaction			WEMWBS			Life satisfaction		
	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p	Beta	95% CI ¹	p
<i>Summer</i>	0.33	-0.31, 0.97	0.314	-0.11	-0.23, 0.02	0.093	0.25	-0.40, 0.89	0.452	-0.12	-0.25, 0.00	0.058	0.29	-0.34, 0.93	0.366	-0.12	-0.24, 0.00	0.059
<i>Autumn (ref)</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Winter</i>	-0.24	-0.90, 0.43	0.486	-0.06	-0.19, 0.07	0.392	-0.31	-0.98, 0.35	0.355	-0.06	-0.19, 0.07	0.339	0.06	-0.60, 0.72	0.867	-0.03	-0.16, 0.09	0.594
Wave																		
<i>2016-17 (ref)</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>2018-19</i>	0.67	0.19, 1.15	0.006	0.12	0.03, 0.21	0.012	0.65	0.20, 1.11	0.005	0.09	0.00, 0.18	0.046	0.46	0.01, 0.91	0.044	0.08	-0.01, 0.16	0.087
Urban status																		
Urban (ref)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Town & fringe	0.54	-0.15, 1.23	0.128	0.02	-0.11, 0.16	0.722	0.15	-0.58, 0.87	0.695	-0.02	-0.16, 0.12	0.743	0.19	-0.47, 0.85	0.566	0.00	-0.13, 0.13	0.957
Village, hamlet & isolated dwellings	0.18	-0.48, 0.85	0.591	0.11	-0.02, 0.24	0.097	0.12	-0.54, 0.77	0.728	0.10	-0.02, 0.23	0.105	0.00	-0.57, 0.57	>0.999	0.11	0.00, 0.22	0.046
Local authority																		
<i>Blaenau Gwent (ref)</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Bridgend</i>							2.50	0.97, 4.03	0.001	0.29	-0.01, 0.59	0.055						
<i>Caerphilly</i>							0.35	-1.10, 1.79	0.637	0.04	-0.24, 0.32	0.760						
<i>Cardiff</i>							2.67	1.31, 4.04	<0.001	0.01	-0.26, 0.28	0.945						
<i>Carmarthenshire</i>							0.18	-1.32, 1.68	0.815	-0.21	-0.50, 0.08	0.155						
<i>Ceredigion</i>							2.36	0.65, 4.07	0.007	0.30	-0.03, 0.64	0.075						
<i>Conwy</i>							2.41	0.67, 4.14	0.006	0.01	-0.33, 0.34	0.977						
<i>Denbighshire</i>							2.58	0.94, 4.21	0.002	0.07	-0.25, 0.39	0.663						
<i>Flintshire</i>							2.93	1.38, 4.48	<0.001	-0.10	-0.40, 0.20	0.527						
<i>Gwynedd</i>							2.43	0.77, 4.09	0.004	0.20	-0.12, 0.52	0.219						
<i>Isle of Anglesey</i>							3.21	1.48, 4.93	<0.001	0.22	-0.12, 0.55	0.202						
<i>Merthyr Tydfil</i>							1.95	0.05, 3.84	0.044	-0.04	-0.41, 0.32	0.812						
<i>Monmouthshire</i>							2.77	1.01, 4.52	0.002	0.23	-0.11, 0.58	0.177						
<i>Neath Port Talbot</i>							0.87	-0.74, 2.49	0.289	0.04	-0.28, 0.35	0.810						

Model terms	WEMWBS			Life satisfaction			WEMWBS			Life satisfaction			WEMWBS			Life satisfaction		
	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>	Beta	95% CI ¹	<i>p</i>
<i>Newport</i>							0.84	-0.64, 2.32	0.268	-0.10	-0.39, 0.19	0.498						
<i>Pembrokeshire</i>							0.78	-0.83, 2.38	0.343	-0.06	-0.37, 0.26	0.726						
<i>Powys</i>							0.41	-1.15, 1.96	0.607	-0.24	-0.54, 0.06	0.122						
<i>Rhondda Cynon Taf</i>							1.23	-0.23, 2.69	0.098	-0.07	-0.35, 0.22	0.651						
<i>Swansea</i>							1.64	0.28, 3.00	0.018	-0.12	-0.38, 0.15	0.378						
<i>Torfaen</i>							-1.08	-2.70, 0.55	0.195	0.04	-0.28, 0.36	0.803						
<i>Vale of Glamorgan</i>							1.51	-0.10, 3.12	0.066	-0.27	-0.58, 0.04	0.091						
<i>Wrexham</i>							1.51	-0.12, 3.15	0.070	-0.03	-0.35, 0.29	0.839						
AIC	44,521			24,929			44,482			24,937			44,402			24,883		
No. Obs.	5,971			5,971			5,971			5,971			5,971			5,971		
<i>R</i> ²	0.098			0.107			0.111			0.113			0.116			0.113		

Footnote: ¹CI = Confidence Interval