

Additional file 1: Logistic regression models predicting 'walking for leisure 15 minutes or less per day' by land use characteristics assessed with 1km network and circular buffers

Predictor variables	Model 1		Model 2				Model 3			
	Individual characteristics		Recreational and park land				Residential land			
	OR	95% CI	(a) Circular Buffer		(b) Network Buffer		(a) Circular Buffer		(b) Network Buffer	
	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI
<i>Individual characteristics</i>										
Age	1.00	(0.99,1.01)	1.00	(0.99,1.01)	1.00	(0.99,1.01)	1.00	(0.99,1.01)	1.00	(0.98,1.01)
Female (vs. male)	0.65*	(0.50,0.82)	0.65*	(0.51,0.83)	0.65*	(0.51,0.83)	0.65*	(0.51,0.83)	0.65*	(0.51,0.83)
Chronic condition	0.97	(0.74,1.26)	0.97	(0.74,1.26)	0.97	(0.75,1.26)	0.98	(0.75,1.28)	0.98	(0.76,1.28)
Body Mass Index	1.03*	(1.01,1.05)	1.03*	(1.01,1.05)	1.03*	(1.01,1.05)	1.03*	(1.01,1.05)	1.03*	(1.01,1.05)
Low income (vs. mid income)	1.22	(0.90,1.66)	1.22	(0.90,1.65)	1.23	(0.91,1.67)	1.22	(0.90,1.65)	1.22	(0.90,1.65)
High income (vs. mid income)	1.15	(0.86,1.54)	1.16	(0.87,1.56)	1.15	(0.86,1.54)	1.16	(0.87,1.54)	1.14	(0.86,1.53)
Single (vs. married/common law)	0.99	(0.71,1.38)	0.99	(0.71,1.38)	0.99	(0.71,1.38)	0.99	(0.71,1.37)	0.99	(0.71,1.38)
Divorced/widowed (vs. married/common law)	0.96	(0.64,1.45)	0.97	(0.65,1.47)	0.97	(0.65,1.46)	0.97	(0.64,1.46)	0.98	(0.65,1.48)
<i>Land use characteristics</i>										
Park and recreational land %			0.51	(0.08,3.22)	0.23	(0.01,7.50)				
Residential land %							1.29	(0.67,2.49)	1.52	(0.90,2.57)
Commercial land %										
Institutional land %										
<b>Model Fit Statistic</b>										
-2 Log Likelihood	1590.02		1589.51		1589.32		1589.42		1587.48	

\*p<0.05

Additional file 1: (cont'd) Logistic regression models predicting 'walking for leisure 15 minutes or less per day' by land use characteristics assessed with 1km network and circular buffers

Predictor variables	Model 4				Model 5			
	Commercial land				Institutional land			
	(a) Circular Buffer		(b) Network Buffer		(a) Circular Buffer		(b) Network Buffer	
	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI
<i>Individual characteristics</i>								
Age	1.00	(0.98,1.01)	1.00	(0.98,1.01)	1.00	(0.99,1.01)	1.00	(0.99,1.01)
Female (vs. male)	0.64*	(0.50,0.82)	0.64*	(0.50,0.82)	0.65*	(0.51,0.83)	0.65*	(0.51,0.83)
Chronic condition	0.97	(0.75,1.27)	0.97	(0.75,1.27)	0.97	(0.74,1.26)	0.96	(0.74,1.25)
Body Mass Index	1.03*	(1.01,1.05)	1.03*	(1.01,1.05)	1.03*	(1.01,1.05)	1.03*	(1.01,1.05)
Low income (vs. mid income)	1.24	(0.91,1.68)	1.25	(0.91,1.68)	1.19	(0.88,1.61)	1.18	(0.87,1.60)
High income (vs. mid income)	1.14	(0.85,1.52)	1.13	(0.85,1.52)	1.16	(0.87,1.55)	1.14	(0.85,1.52)
Single								
(vs. married/common law)	1.00	(0.72,1.39)	1.00	(0.72,1.39)	0.99	(0.71,1.38)	1.00	(0.71,1.39)
Divorced/widowed								
(vs. married/common law)	0.97	(0.65,1.46)	0.98	(0.65,1.46)	0.97	(0.65,1.47)	0.98	(0.65,1.48)
<i>Land use characteristics</i>								
Park and recreational land %								
Residential land %								
Commercial land %	0.52	(0.08,3.48)	0.48	(0.08,3.48)				
Institutional land %					0.07	(0.00,1.12)	0.03*	(0.00,0.33)
<b>Model Fit Statistic</b>								
-2 Log Likelihood	1589.56		1588.85		1586.38		1581.40	

\*p<0.05