

Appendix A1. Planning for All Ages: SEM results-standardized coefficients-children sub model (direct effect)

	Dependent variable						
	Comprehensive planning	Zoning codes			Built environment outcomes		
		Street	Neighborhood	Housing	Street	Neighborhood	Housing
Comprehensive planning ^{1,4}	-	0.1274**	0.1159**	0.1099**	0.0039	0.0577*	-0.0014
Motivation ^{1,4}	0.0969**	0.051*	0.0785**	0.0522	-	-	-
Attitude ^{1,4}	0.0387	-0.0527*	0.019	0.007	-	-	-
Safety ¹	0.0903**	0.1286**	0.0818**	0.0079	-	-	-
Social cohesion ¹	0.0098	-	-	-	-	-	-
Participation							
Engagement ^{1,4}	0.1051**	0.0926**	0.1597**	0.1441**	-	-	-
Conservative council/board ¹	-0.0525*	-0.08**	-0.0359	-0.0784**	-	-	-
Representative community council/board ¹	0.0237	0.0075	0.0794**	0.0708*	-	-	-
Professionalism							
Planning department ¹	0.1258**	0.0779**	0.072*	0.1073**	-	-	-
Manager ¹	0.1342**	0.1047**	0.0176	0.0814**	-	-	-
Zoning codes							
Zoning code -street ¹	-	-	-	-	0.6033**	-	-
Zoning code -neighborhood ¹	-	-	-	-	-	0.3677**	-
Zoning code -housing ¹	-	-	-	-	-	-	0.0987**
Socio-economic conditions							
Population (log) ²	0.0654	0.1248**	0.0915*	0.0498	0.1348**	0.1438**	0.0733*
Population growth (%) ²	0.0043	0.0559*	0.024	0.0008	0.0305	-0.0039	-0.0609*
Population density (log) ²	-	-	-	-	0.0686*	0.2427**	0.1878**
Percentage of population over sixty-five (%) ²	-	-0.0758*	-0.0351	-0.0676*	-	-	-
Percentage of population under eighteen (%) ²	-	0.0868**	0.0313	-0.0105	-	-	-
Percentage of white population (%) ²	-0.0602*	-	-	-	-	-	-
Per capita income (log) ²	0.0044	0.0421	-0.0125	-0.0298	-	-	-0.2228**
Poverty rate (%) ²	-	-	-	-	-	-	-0.1896**
Gini ²	-0.0089	-	-	-	-	-	-
Median age of housing ²	-	-	-	-	0.117**	0.144**	-0.0214
Metro core ³	-0.0419	0.0599	0.0321	0.0654	0.0278	-0.0465	-0.0551
Rural ³	-0.0899**	-0.1079**	-0.0203	-0.0085	0.0512	0.052	-0.1334**

Source: ¹ ICMA Planning Across Generation Survey 2013 ² American Community Survey 2009-2013, ³ US Census 2010. ⁴ unique child-focused measures

Note: -: variables are not estimated in this model ** p<0.01, * p<0.05 Goodness of Fit 0.6372. N=1474 US counties and municipalities

Appendix A2. Planning for All Ages: SEM results-standardized coefficients-children sub model (indirect effect)

	Dependent variable						
	Comprehensive planning	Zoning codes			Built environment outcomes		
		Street	Neighborhood	Housing	Street	Neighborhood	Housing
Comprehensive planning ^{1,4}	-	-	-	-	0.0769**	-	-
Motivation ^{1,4}	-	0.0123**	0.0112**	0.0107**	0.0386*	0.0056	-0.0001
Attitude ^{1,4}	-	0.0049	0.0045	0.0043	-0.0287	0.0022	-0.0001
Safety ¹	-	0.0115**	0.0105*	0.0099*	0.0849**	0.0052	-0.0001
Social cohesion ¹	-	0.0012	0.0011	0.0011	0.0008	0.0006	-
Participation							
Engagement ^{1,4}	-	0.0134**	0.0122**	0.0116**	0.0643**	0.0061	-0.0001
Conservative council/board ¹	-	-0.0067	-0.0061	-0.0058	-0.0525**	-0.003	0.0001
Representative of community council/board ¹	-	0.003	0.0027	0.0026	0.0064	0.0014	-
Professionalism							
Planning department ¹	-	0.016**	0.0146**	0.0138**	0.0571**	0.0073*	-0.0002
Manager ¹	-	0.0171**	0.0156**	0.0148**	0.074**	0.0077*	-0.0002
Zoning codes							
Zoning code -street ¹	-	-	-	-	-	-	-
Zoning code -neighborhood ¹	-	-	-	-	-	-	-
Zoning code -housing ¹	-	-	-	-	-	-	-
Socio-economic conditions							
Population (log) ²	-	0.0083	0.0076	0.0072	0.0806**	0.0038	-0.0001
Population growth (%) ²	-	0.0005	0.0005	0.0005	0.0341*	0.0002	-
Population density (log) ²	-	-	-	-	-	-	-
Percentage of population over sixty-five (%) ²	-	-	-	-	0.0524**	-	-
Percentage of population under eighteen (%) ²	-	-	-	-	-0.0457*	-	-
Percentage of white population (%) ²	-	-0.0077	-0.007	-0.0066	-0.0049	-0.0035	0.0001
Per capita income (log) ²	-	0.0006	0.0005	0.0005	0.0258	0.0003	-
Poverty rate (%) ²	-	-	-	-	-	-	-
Gini ²	-	-0.0011	-0.001	-0.001	-0.0007	-0.0005	-
Median age of housing ²	-	-	-	-	-	-	-
Metro core ³	-	-0.0053	-0.0049	-0.0046	0.0328	-0.0024	0.0001
Rural ³	-	-0.0115*	-0.0104*	-0.0099*	-0.0724**	-0.0052	0.0001

Source: ¹ ICMA Planning Across Generation Survey 2013 ² American Community Survey 2009-2013, ³ US Census 2010. ⁴ unique child-focused measures

Note: -: variables are not estimated in this model ** p<0.01, * p<0.05 Goodness of Fit 0.6372. N=1474 US counties and municipalities

Appendix A3. Planning for All Ages: SEM results-standardized coefficients -children sub model (total effect)

	Dependent variable						
	Comprehensive planning	Zoning codes			Built environment outcomes		
		Street	Neighborhood	Housing	Street	Neighborhood	Housing
Comprehensive planning ^{1,4}	-	0.1274**	0.1159**	0.1099**	0.0807**	0.0577*	-0.0014
Motivation ^{1,4}	0.0969**	0.0633*	0.0897**	0.0629*	0.0386*	0.0056	-0.0001
Attitude ^{1,4}	0.0387	-0.0477	0.0235	0.0113	-0.0287	0.0022	-0.0001
Safety ¹	0.0903**	0.1401**	0.0923**	0.0178	0.0849**	0.0052	-0.0001
Social cohesion ¹	0.0098	0.0012	0.0011	0.0011	0.0008	0.0006	-
Participation							
Engagement ^{1,4}	0.1051**	0.106**	0.1719**	0.1556**	0.0643**	0.0061	-0.0001
Conservative council/board ¹	-0.0525*	-0.0866**	-0.042	-0.0842**	-0.0525**	-0.003	0.0001
Representative of community council/board ¹	0.0237	0.0105	0.0821**	0.0734*	0.0064	0.0014	-
Professionalism							
Planning department ¹	0.1258**	0.0939**	0.0865**	0.1212**	0.0571**	0.0073*	-0.0002
Manager ¹	0.1342**	0.1218**	0.0331	0.0961**	0.074**	0.0077*	-0.0002
Zoning codes							
Zoning code -street ¹	-	-	-	-	0.6033**	-	-
Zoning code -neighborhood ¹	-	-	-	-	-	0.3677**	-
Zoning code -housing ¹	-	-	-	-	-	-	0.0987**
Socio-economic conditions							
Population (log) ²	0.0654	0.1331**	0.0991**	0.057	0.2153**	0.1476**	0.0733*
Population growth (%) ²	0.0043	0.0564*	0.0245	0.0013	0.0646*	-0.0037	-0.0609*
Population density (log) ²	-	-	-	-	0.0686*	0.2427**	0.1878**
Percentage of population over sixty-five (%) ²	-	-0.0758*	-0.0351	-0.0676*	0.0524**	-	-
Percentage of population under eighteen (%) ²	-	0.0868**	0.0313	-0.0105	-0.0457*	-	-
Percentage of white population (%) ²	-0.0602*	-0.0077	-0.007	-0.0066	-0.0049	-0.0035	0.0001
Per capita income (log) ²	0.0044	0.0427	-0.012	-0.0293	0.0258	0.0003	-0.2228**
Poverty rate (%) ²	-	-	-	-	-	-	-0.1896**
Gini ²	-0.0089	-0.0011	-0.001	-0.001	-0.0007	-0.0005	-
Median age of housing ²	-	-	-	-	0.117**	0.144**	-0.0214
Metro core ³	-0.0419	0.0546	0.0272	0.0608	0.0605	-0.0489	-0.0551
Rural ³	-0.0899**	-0.1194**	-0.0307	-0.0184	-0.0212	0.0468	-0.1333**

Source: ¹ ICMA Planning Across Generation Survey 2013 ² American Community Survey 2009-2013, ³ US Census 2010. ⁴ unique child-focused measures

Note: -: variables are not estimated in this model ** p<0.01, * p<0.05 Goodness of Fit 0.6372. N=1474 US counties and municipalities

Appendix B I. Planning for All Ages: SEM results-standardized coefficients-elders sub model (direct effect)

	Dependent variable						
	Comprehensive planning	Zoning codes			Built environment outcomes		
		Street	Neighborhood	Housing	Street	Neighborhood	Housing
Comprehensive planning ^{1,4}	-	0.1234**	0.1269**	0.1171**	-0.0035	0.0489	0.0294
Motivation ^{1,4}	0.0731**	0.0419	0.0429	0.0446	-	-	0.0287
Attitude ^{1,4}	-0.0058	-0.0327	0.0098	0.0079	-	-	-
Safety ¹	0.1056**	0.1255**	0.0845**	0.0056	-	-	-
Social cohesion ¹	0.0194	-	-	-	-	-	-
Participation							-
Engagement ^{1,4}	0.1051**	0.0818**	0.1032**	0.0831**	-	-	-
Conservative council/board ¹	-0.0518	-0.0874**	-0.0483	-0.0891**	-	-	-
Representative of community council/board ¹	0.0049	0.0115	0.0874**	0.078**	-	-	-
Professionalism							-
Planning department ¹	0.1474**	0.0741**	0.0701*	0.1055**	-	-	-
Manager ¹	0.0769**	0.1038**	0.0093	0.0759*	-	-	-
Zoning codes							-
Zoning code -street ¹	-	-	-	-	0.6066**	-	-
Zoning code -neighborhood ¹	-	-	-	-	-	0.3721**	-
Zoning code -housing ¹	-	-	-	-	-	-	-
Socio-economic conditions							0.0922**
Population (log) ²	0.0187	0.125**	0.1039**	0.0564	0.1348**	0.146**	-
Population growth (%) ²	-0.0162	0.0578*	0.031	0.0045	0.0303	-0.0037	0.0723*
Population density (log) ²	-	-	-	-	0.0677*	0.2452**	-0.0601*
Percentage of population over sixty-five (%) ²	-	-0.0842**	-0.0499	-0.0811*	-	-	0.1831**
Percentage of population under eighteen (%) ²	-	0.0879**	0.0368	-0.0045	-	-	-
Percentage of white population (%) ²	-0.0767**	-	-	-	-	-	-
Per capita income (log) ²	0.0269	0.0451	-0.0046	-0.0212	-	-	-
Poverty rate (%) ²	-	-	-	-	-	-	-
Gini ²	-0.0206	-	-	-	-	-	-
Median age of housing ²	-	-	-	-	0.1163**	0.1417**	-
Metro core ³	-0.0162	0.0574	0.0381	0.0667	0.0277	-0.0463	-0.0197
Rural ³	-0.036	-0.1103**	-0.0186	-0.0088	0.0514	0.0503	-0.0547

Source: ¹ ICMA Planning Across Generation Survey 2013 ² American Community Survey 2009-2013, ³ US Census 2010. ⁴ unique elder-focused measures

Note: -: variables are not estimated in this model ** p<0.01, * p<0.05 Goodness of Fit 0.6180. N=1474 US counties and municipalities

Appendix B2. Planning for All Ages: SEM results-standardized coefficients-elders sub model (indirect effect)

	Dependent variable						
	Comprehensive planning	Zoning codes			Built environment outcomes		
		Street	Neighborhood	Housing	Street	Neighborhood	Housing
Comprehensive planning ^{1,4}	-	-	-	-	0.0749**	-	-
Motivation ^{1,4}	-	0.009*	0.0093*	0.0086*	0.0306	0.0036	0.0021
Attitude ^{1,4}	-	-0.0007	-0.0007	-0.0007	-0.0202	-0.0003	-0.0002
Safety ¹	-	0.013**	0.0134**	0.0124**	0.0836**	0.0052	0.003
Social cohesion ¹	-	0.0024	0.0025	0.0023	0.0014	0.001	0.0006
Participation							
Engagement ^{1,4}	-	0.013**	0.0133**	0.0123**	0.0571**	0.0051	0.003
Conservative council/board ¹	-	-0.0064	-0.0066	-0.0061	-0.0567**	-0.0025	-0.0015
Representative of community council/board ¹	-	0.0006	0.0006	0.0006	0.0073	0.0002	0.0001
Professionalism							
Planning department ¹	-	0.0182**	0.0187**	0.0173**	0.0555**	0.0072	0.0042
Manager ¹	-	0.0095*	0.0098*	0.009*	0.0684**	0.0038	0.0022
Zoning codes							
Zoning code -street ¹	-	-	-	-	-	-	-
Zoning code -neighborhood ¹	-	-	-	-	-	-	-
Zoning code -housing ¹	-	-	-	-	-	-	-
Socio-economic conditions							
Population (log) ²	-	0.0023	0.0024	0.0022	0.0772**	0.0009	0.0005
Population growth (%) ²	-	-0.002	-0.0021	-0.0019	0.0339*	-0.0008	-0.0005
Population density (log) ²	-	-	-	-	-	-	-
Percentage of population over sixty-five (%) ²	-	-	-	-	0.0533**	-	-
Percentage of population under eighteen (%) ²	-	-	-	-	-0.0511**	-	-
Percentage of white population (%) ²	-	-0.0095*	-0.0097*	-0.009*	-0.0055	-0.0038	-0.0022
Per capita income (log) ²	-	0.0033	0.0034	0.0031	0.0293	0.0013	0.0008
Poverty rate (%) ²	-	-	-	-	-	-	-
Gini ²	-	-0.0025	-0.0026	-0.0024	-0.0015	-0.001	-0.0006
Median age of housing ²	-	-	-	-	-	-	-
Metro core ³	-	-0.002	-0.0021	-0.0019	0.0336	-0.0008	-0.0005
Rural ³	-	-0.0044	-0.0046	-0.0042	-0.0695**	-0.0018	-0.001

Source: ¹ ICMA Planning Across Generation Survey 2013 ² American Community Survey 2009-2013, ³ US Census 2010. ⁴ unique elder-focused measures

Note: -: variables are not estimated in this model ** p<0.01, * p<0.05 Goodness of Fit 0.6180. N=1474 US counties and municipalities

Appendix B3. Planning for All Ages: SEM results-standardized coefficients -elders sub model (total effect)

	Dependent variable						
	Comprehensive planning	Zoning codes			Built environment outcomes		
		Street	Neighborhood	Housing	Street	Neighborhood	Housing
Comprehensive planning ^{1,4}	-	0.1234**	0.1269**	0.1171**	0.0713**	0.0489	0.0287
Motivation ^{1,4}	0.0731**	0.0509	0.0522	0.0531	0.0306	0.0036	0.0021
Attitude ^{1,4}	-0.0058	-0.0334	0.0091	0.0073	-0.0202	-0.0003	-0.0002
Safety ¹	0.1056**	0.1385**	0.0979**	0.018	0.0836**	0.0052	0.003
Social cohesion ¹	0.0194	0.0024	0.0025	0.0023	0.0014	0.001	0.0006
Participation							
Engagement ^{1,4}	0.1051**	0.0948**	0.1165**	0.0954**	0.0571**	0.0051	0.003
Conservative council/board ¹	-0.0518	-0.0938**	-0.0549	-0.0952**	-	-0.0025	-0.0015
Representative of community council/board ¹	0.0049	0.0121	0.0881**	0.0786**	0.0073	0.0002	0.0001
Professionalism							
Planning department ¹	0.1474**	0.0923**	0.0888**	0.1228**	0.0555**	0.0072	0.0042
Manager ¹	0.0769**	0.1133**	0.0191	0.0849**	0.0684**	0.0038	0.0022
Zoning codes							
Zoning code -street ¹	-	-	-	-	0.6066**	-	-
Zoning code -neighborhood ¹	-	-	-	-	-	0.3721**	-
Zoning code -housing ¹	-	-	-	-	-	-	0.0922**
Socio-economic conditions							
Population (log) ²	0.0187	0.1273**	0.1063**	0.0586	0.212**	0.1469**	0.0728*
Population growth (%) ²	-0.0162	0.0558*	0.0289	0.0026	0.0642*	-0.0045	-0.0606*
Population density (log) ²	-	-	-	-	0.0677*	0.2452**	0.1831**
Percentage of population over sixty-five (%) ²	-	-0.0842**	-0.0499	-0.0811*	0.0533**	-	-
Percentage of population under eighteen (%) ²	-	0.0879**	0.0368	-0.0045	-	-	-
Percentage of white population (%) ²	-0.0767**	-0.0095*	-0.0097*	-0.009*	-0.0055	-0.0038	-0.0022
Per capita income (log) ²	0.0269	0.0485	-0.0012	-0.0181	0.0293	0.0013	-0.2238**
Poverty rate (%) ²	-	-	-	-	-	-	-0.1891**
Gini ²	-0.0206	-0.0025	-0.0026	-0.0024	-0.0015	-0.001	-0.0006
Median age of housing ²	-	-	-	-	0.1163**	0.1417**	-0.0197
Metro core ³	-0.0162	0.0554	0.0361	0.0648	0.0614	-0.0471	-0.0551
Rural ³	-0.036	-0.1147**	-0.0232	-0.0131	-0.018	0.0485	-0.1352**

Source: ¹ ICMA Planning Across Generation Survey 2013 ² American Community Survey 2009-2013, ³ US Census 2010. ⁴ unique elder-focused measures

Note: -: variables are not estimated in this model ** p<0.01, * p<0.05 Goodness of Fit 0.6180. N=1474 US counties and municipalities

Appendix C1. Planning for All Ages: SEM results-standardized coefficients -Overall Model (indirect effect)

	Dependent variable						
	Comprehensive planning	Zoning codes			Built environment outcomes		
		Street	Neighborhood	Housing	Street	Neighborhood	Housing
Comprehensive planning ¹	-	-	-	-	0.0919**	-	-
Motivation ¹	-	0.0121**	0.0101*	0.0093*	0.0334*	0.0048	0.0023
Attitude ¹	-	0.0002	0.0002	0.0002	-0.0127	0.0001	-
Safety ¹	-	0.0192**	0.016**	0.0148**	0.0816**	0.0076*	0.0037
Social cohesion ¹	-	-0.0032	-0.0027	-0.0025	-0.0018	-0.0013	-0.0006
Participation							
Engagement ¹	-	0.0118*	0.0099*	0.0091*	0.075**	0.0047	0.0023
Conservative council/board ¹	-	-0.0085*	-0.0071	-0.0066	-0.0522**	-0.0034	-0.0017
Representative of community council/board ¹	-	0.0011	0.0009	0.0008	0.006	0.0004	0.0002
Professionalism							
Planning department ¹	-	0.02**	0.0167**	0.0154**	0.0524**	0.008*	0.0039
Manager ¹	-	0.0221**	0.0184**	0.017**	0.0727**	0.0088*	0.0043
Zoning codes							
Zoning code -street ¹	-	-	-	-	-	-	-
Zoning code -neighborhood ¹	-	-	-	-	-	-	-
Zoning code -housing ¹	-	-	-	-	-	-	-
Socio-economic conditions							
Population (log) ²	-	0.0094	0.0078	0.0072	0.0734**	0.0037	0.0018
Population growth (%) ²	-	-0.0002	-0.0002	-0.0002	0.0336*	-0.0001	-
Population density (log) ²	-	-	-	-	-	-	-
Percentage of population over sixty-five (%) ²	-	-	-	-	0.0536**	-	-
Percentage of population under eighteen (%) ²	-	-	-	-	-0.0474**	-	-
Percentage of white population (%) ²	-	-0.0089	-0.0074	-0.0069	-0.0049	-0.0036	-0.0017
Per capita income (log) ²	-	0.0039	0.0032	0.003	0.0254	0.0015	0.0008
Poverty rate (%) ²	-	-	-	-	-	-	-
Gini ²	-	-0.0049	-0.0041	-0.0037	-0.0027	-0.0019	-0.0009
Median age of housing ²	-	-	-	-	-	-	-
Metro core ³	-	-0.002	-0.0017	-0.0016	0.0333	-0.0008	-0.0004
Rural ³	-	-0.013*	-0.0109*	-0.01*	-0.0717**	-0.0052	-0.0025

Source: ¹ ICMA Planning Across Generation Survey 2013 ² American Community Survey 2009-2013, ³ US Census 2010.

Note: -: variables are not estimated in this model ** p<0.01, * p<0.05 Goodness of Fit 0.5638. N=1474 US counties and municipalities

Appendix C2. Planning for All Ages: SEM results-standardized coefficients – Overall Model (total effect)

	Dependent variable						
	Comprehensive planning	Zoning codes			Built environment outcomes		
		Street	Neighborhood	Housing	Street	Neighborhood	Housing
Comprehensive planning ¹	-	0.1513**	0.1264**	0.1165**	0.0838**	0.0602*	0.0294
Motivation ¹	0.0798**	0.056*	0.0675*	0.0557	0.0334*	0.0048	0.0023
Attitude ¹	0.0014	-0.0209	0.048	0.0219	-0.0127	0.0001	-
Safety ¹	0.1269**	0.1361**	0.0884**	0.0136	0.0816**	0.0076*	0.0037
Social cohesion ¹	-0.0211	-0.0032	-0.0027	-0.0025	-0.0018	-0.0013	-0.0006
Participation							
Engagement ¹	0.0782**	0.1246**	0.1843**	0.1642**	0.075**	0.0047	0.0023
Conservative council/board ¹	-0.0564*	-0.0867**	-0.0409	-0.0841**	-	-0.0034	-0.0017
Representative of community council/board ¹	0.007	0.01	0.0859**	0.0754**	0.006	0.0004	0.0002
Professionalism							
Planning department ¹	0.132**	0.0881**	0.0771**	0.1148**	0.0524**	0.008*	0.0039
Manager ¹	0.1457**	0.1216**	0.0345	0.0959**	0.0727**	0.0088*	0.0043
Zoning codes							
Zoning code -street ¹	-	-	-	-	0.6073**	-	-
Zoning code -neighborhood ¹	-	-	-	-	-	0.3688**	-
Zoning code -housing ¹	-	-	-	-	-	-	0.0944**
Socio-economic conditions							
Population (log) ²	0.0621	0.1217**	0.0895*	0.0488	0.2088**	0.1486**	0.0734*
Population growth (%) ²	-0.0014	0.0552*	0.0265	0.0013	0.0635*	-0.0036	-0.0604*
Population density (log) ²	-	-	-	-	0.0674*	0.2396**	0.1805**
Percentage of population over sixty-five (%) ²	-	-0.078**	-0.0439	-0.0742*	0.0536**	-	-
Percentage of population under eighteen (%) ²	-	0.0883**	0.0331	-0.0067	-	-	-
Percentage of white population (%) ²	-0.0589*	-0.0089	-0.0074	-0.0069	-0.0049	-0.0036	-0.0017
Per capita income (log) ²	0.0257	0.0422	-0.0117	-0.0286	0.0254	0.0015	-0.2242**
Poverty rate (%) ²	-	-	-	-	-	-	-0.1892**
Gini ²	-0.0321	-0.0049	-0.0041	-0.0037	-0.0027	-0.0019	-0.0009
Median age of housing ²	-	-	-	-	0.1164**	0.1445**	-0.0188
Metro core ³	-0.0133	0.0547	0.03	0.061	0.0606	-0.0478	-0.0557
Rural ³	-0.0861**	-0.1192**	-0.029	-0.0179	-0.0216	0.0459	-0.1364**

Source: ¹ ICMA Planning Across Generation Survey 2013 ² American Community Survey 2009-2013, ³ US Census 2010.

Note: -: variables are not estimated in this model ** p<0.01, * p<0.05 Goodness of Fit 0.5638. N=1474 US counties and municipalities