|  | Model 1.1 | Model 1.2 | Model 1.3 | | Model 1.4 | |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Long-run | Short-run | Long-run | Short-run |
| Autoregressive Effects |  |  |  |  |  |  |
| Mental Health |  | 0.996\*\*\* | 0.066\*\*\* | 0.230\*\*\* | 0.055\*\*\* | 0.239\*\*\* |
|  |  | [0.969; 1.023] | [0.056; 0.076] | [0.214; 0.246] | [0.046; 0.064] | [0.224; 0.254] |
| Adult Social Care |  | 0.665\*\*\* | 0.276\*\*\* | -0.041 | 0.214\* | 0.019 |
|  |  | [0.551; 0.780] | [0.139; 0.413] | [-0.185; 0.103] | [0.065; 0.363] | [-0.128; 0.165] |
| Children Social Care |  | 0.885\*\*\* | -0.082\* | 0.421\*\*\* | -0.102\*\*\* | 0.431\*\*\* |
|  |  | [0.841; 0.929] | [-0.138; -0.025] | [0.349; 0.493] | [-0.152; -0.053] | [0.370; 0.493] |
| Healthcare |  | 0.880\*\*\* | 0.004 | 0.660\*\*\* | 0.000 | 0.652\*\*\* |
|  |  | [0.785; 0.974] | [-0.015; 0.023] | [0.563; 0.758] | [-0.017; 0.017] | [0.562; 0.742] |
| Environment |  | 0.781\*\*\* | 0.077^ | 0.282\*\*\* |  |  |
|  |  | [0.712; 0.850] | [0.010; 0.143] | [0.204; 0.361] |  |  |
| Law and Order |  | 0.821\*\*\* | 0.113\*\*\* | 0.362\*\*\* |  |  |
|  |  | [0.665; 0.976] | [0.060; 0.166] | [0.231; 0.494] |  |  |
| Infrastructure |  | 0.647\*\*\* | -0.098 | 0.374\*\*\* |  |  |
|  |  | [0.517; 0.777] | [-0.226; 0.030] | [0.277; 0.472] |  |  |
| Cross-Lagged Effects: Mental Health -> Spending |  |  |  |  |  |  |
| Adult Social Care |  | -0.134\*\*\* | -0.075\* | 0.113\*\* | -0.104\*\* | 0.143\*\* |
|  |  | [-0.197; -0.071] | [-0.124; -0.025] | [0.042; 0.185] | [-0.162; -0.046] | [0.067; 0.220] |
| Children Social Care |  | -0.134\*\*\* | 0.128\*\*\* | -0.115\*\*\* | 0.187\*\*\* | -0.168\*\*\* |
|  |  | [-0.169; -0.099] | [0.089; 0.167] | [-0.157; -0.072] | [0.141; 0.232] | [-0.219; -0.118] |
| Healthcare |  | -0.095\*\*\* | -0.013 | -0.020 | -0.022\* | -0.022 |
|  |  | [-0.135; -0.055] | [-0.027; 0.002] | [-0.041; 0.001] | [-0.039; -0.005] | [-0.045; 0.002] |
| Environment |  | 0.024 | -0.083\*\*\* | 0.063\*\* |  |  |
|  |  | [-0.020; 0.069] | [-0.116; -0.050] | [0.023; 0.103] |  |  |
| Law and Order |  | 0.010 | -0.051\*\*\* | 0.046\*\* |  |  |
|  |  | [-0.029; 0.050] | [-0.070; -0.033] | [0.021; 0.070] |  |  |
| Infrastructure |  | 0.062 | -0.022 | -0.010 |  |  |
|  |  | [-0.004; 0.127] | [-0.060; 0.017] | [-0.053; 0.033] |  |  |
| Cross-Lagged Effects: Spending -> Mental Health |  |  |  |  |  |  |
| Adult Social Care |  | 0.006 | 0.023\* | -0.016 | 0.015 | -0.008 |
|  |  | [-0.011; 0.022] | [0.007; 0.040] | [-0.033; 0.001] | [-0.002; 0.031] | [-0.025; 0.008] |
| Children Social Care |  | -0.113\*\*\* | 0.005 | -0.007 | 0.009^ | -0.008 |
|  |  | [-0.159; -0.067] | [-0.005; 0.015] | [-0.020; 0.006] | [0.000; 0.018] | [-0.021; 0.005] |
| Healthcare |  | -0.103\*\*\* | 0.012\* | -0.029\*\* | -0.003 | -0.021^ |
|  |  | [-0.146; -0.060] | [0.002; 0.022] | [-0.047; -0.011] | [-0.014; 0.008] | [-0.042; -0.001] |
| Environment |  | 0.011 | -0.025\*\* | 0.021\* |  |  |
|  |  | [-0.007; 0.028] | [-0.039; -0.011] | [0.005; 0.038] |  |  |
| Law and Order |  | 0.132\*\*\* | 0.027\*\* | -0.011 |  |  |
|  |  | [0.097; 0.168] | [0.012; 0.043] | [-0.029; 0.006] |  |  |
| Infrastructure |  | 0.015 | -0.021^ | 0.017 |  |  |
|  |  | [-0.006; 0.037] | [-0.041; -0.002] | [-0.003; 0.038] |  |  |
| Random Intercepts |  |  |  |  |  |  |
| Mental Health | 0.341\*\*\* | 0.441\*\*\* | 0.344\*\*\* |  | 0.337\*\*\* |  |
|  | [0.281; 0.400] | [0.381; 0.502] | [0.286; 0.402] |  | [0.278; 0.395] |  |
| Adult Social Care | -0.127 | 0.120 | -0.127 |  | -0.140 |  |
|  | [-0.299; 0.045] | [-0.056; 0.295] | [-0.276; 0.023] |  | [-0.300; 0.021] |  |
| Children Social Care | -0.138 | -0.515\*\*\* | -0.293\*\* |  | -0.239\* |  |
|  | [-0.290; 0.013] | [-0.678; -0.352] | [-0.456; -0.129] |  | [-0.405; -0.073] |  |
| Healthcare | -0.564\*\*\* | -0.644\*\*\* | -0.538\*\*\* |  | -0.533\*\*\* |  |
|  | [-0.752; -0.375] | [-0.829; -0.458] | [-0.724; -0.351] |  | [-0.720; -0.347] |  |
| Environment | 0.203\* | 0.291\*\* | 0.213\* |  |  |  |
|  | [0.062; 0.345] | [0.135; 0.448] | [0.068; 0.359] |  |  |  |
| Law and Order | -0.215\*\*\* | -0.144\*\* | -0.174\*\*\* |  |  |  |
|  | [-0.294; -0.137] | [-0.222; -0.065] | [-0.246; -0.102] |  |  |  |
| Infrastructure | -0.104 | -0.087 | -0.087 |  |  |  |
|  | [-0.225; 0.017] | [-0.218; 0.044] | [-0.231; 0.058] |  |  |  |
| Random Slopes |  |  |  |  |  |  |
| Mental Health | -0.196\*\*\* |  | -0.193\*\*\* |  | -0.192\*\*\* |  |
|  | [-0.203; -0.188] |  | [-0.201; -0.186] |  | [-0.199; -0.185] |  |
| Adult Social Care | 0.131\*\*\* |  | 0.095\*\*\* |  | 0.107\*\*\* |  |
|  | [0.096; 0.166] |  | [0.062; 0.129] |  | [0.072; 0.141] |  |
| Children Social Care | 0.095\*\*\* |  | 0.155\*\*\* |  | 0.144\*\*\* |  |
|  | [0.056; 0.135] |  | [0.110; 0.200] |  | [0.100; 0.187] |  |
| Healthcare | 0.118\*\*\* |  | 0.114\*\*\* |  | 0.112\*\*\* |  |
|  | [0.101; 0.136] |  | [0.097; 0.131] |  | [0.095; 0.128] |  |
| Environment | -0.090\*\*\* |  | -0.112\*\*\* |  |  |  |
|  | [-0.120; -0.059] |  | [-0.142; -0.082] |  |  |  |
| Law and Order | -0.038\*\*\* |  | -0.063\*\*\* |  |  |  |
|  | [-0.052; -0.024] |  | [-0.080; -0.047] |  |  |  |
| Infrastructure | -0.095\*\*\* |  | -0.103\*\*\* |  |  |  |
|  | [-0.129; -0.061] |  | [-0.143; -0.062] |  |  |  |
| Fit Measures (Scaled) |  |  |  |  |  |  |
| Number of Parameters | 315.000 | 196.000 | 413.000 | | 182.000 | |
| Chi-Squared | 7071.986 | 7327.841 | 5272.297 | | 3280.274 | |
| Degrees of Freedom | 1547.000 | 1666.000 | 1449.000 | | 588.000 | |
| CFI | 0.845 | 0.841 | 0.892 | | 0.875 | |
| TLI | 0.823 | 0.831 | 0.869 | | 0.848 | |
| SMRM | 0.028 | 0.150 | 0.027 | | 0.032 | |
| RMSEA | 0.011 | 0.010 | 0.009 | | 0.012 | |
| RMSEA Lower Bound | 0.011 | 0.010 | 0.009 | | 0.012 | |
| RMSEA Upper Bound | 0.011 | 0.010 | 0.009 | | 0.012 | |
| AGFI | 0.848 | 0.817 | 0.883 | | 0.713 | |
| AIC | 1007721.475 | 1008197.504 | 803844.488 | | 472170.267 | |
| BIC | 1010352.258 | 1009834.436 | 807293.737 | | 473690.275 | |
| Log-Likelihood | -503545.737 | -503902.752 | -401509.244 | | -235903.134 | |

|  | Model 1.3 | | Model 2.1 | | Model 2.2 | | Model 2.3 | | Model 2.4 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Long-run | Short-run | Long-run | Short-run | Long-run | Short-run | Long-run | Short-run | Long-run | Short-run |
| Ad. Soc. Care | 0.017\* | -0.012 | 0.081\*\*\* | -0.077\*\*\* | -0.005 | 0.003 | 0.018\*\*\* | -0.015\*\* | -0.040\*\* | 0.047\*\* |
|  | [0.005; 0.028] | [-0.024; 0.000] | [0.052; 0.109] | [-0.106; -0.049] | [-0.021; 0.011] | [-0.012; 0.018] | [0.010; 0.026] | [-0.024; -0.006] | [-0.063; -0.017] | [0.023; 0.070] |
| Ch. Soc. Care | 0.001 | -0.002 | 0.006 | -0.012\*\* | 0.002 | 0.003 | -0.001 | 0.002 | 0.006^ | -0.000 |
|  | [-0.002; 0.005] | [-0.006; 0.002] | [-0.001; 0.013] | [-0.019; -0.005] | [-0.003; 0.006] | [-0.003; 0.009] | [-0.003; 0.001] | [-0.001; 0.004] | [0.000; 0.011] | [-0.010; 0.010] |
| Healthcare | 0.011\* | -0.027\*\* | 0.021^ | -0.069\*\*\* | 0.023\* | -0.063\*\*\* | 0.010\* | -0.069\*\*\* | -0.001 | 0.101\*\*\* |
|  | [0.002; 0.021] | [-0.044; -0.010] | [0.001; 0.041] | [-0.101; -0.038] | [0.007; 0.039] | [-0.093; -0.034] | [0.003; 0.017] | [-0.087; -0.051] | [-0.024; 0.022] | [0.060; 0.142] |
| Environment | -0.010\*\* | 0.009\* | -0.013 | 0.023\* | -0.013\*\* | 0.008 | -0.005\* | 0.003 | 0.004 | -0.011 |
|  | [-0.016; -0.005] | [0.002; 0.016] | [-0.027; 0.000] | [0.007; 0.038] | [-0.020; -0.005] | [-0.002; 0.018] | [-0.008; -0.001] | [-0.001; 0.007] | [-0.006; 0.015] | [-0.025; 0.003] |
| Law and Order | 0.007\*\* | -0.003 | 0.026\*\*\* | -0.012^ | -0.002 | 0.003 | 0.004\* | -0.003 | -0.004 | -0.001 |
|  | [0.003; 0.011] | [-0.007; 0.002] | [0.016; 0.036] | [-0.022; -0.002] | [-0.007; 0.004] | [-0.003; 0.009] | [0.001; 0.007] | [-0.007; 0.001] | [-0.012; 0.004] | [-0.012; 0.010] |
| Infrastructure | -0.005^ | 0.004 | -0.028\*\*\* | 0.031\*\*\* | 0.001 | -0.004 | -0.007\*\*\* | 0.005\*\* | 0.018\*\*\* | -0.019\*\*\* |
|  | [-0.010; -0.000] | [-0.001; 0.009] | [-0.042; -0.015] | [0.017; 0.045] | [-0.005; 0.007] | [-0.010; 0.002] | [-0.010; -0.004] | [0.002; 0.008] | [0.009; 0.027] | [-0.029; -0.010] |

|  |  | Model 1.1 | Model 1.2 | Model 1.3 | Model 1.4 |
| --- | --- | --- | --- | --- | --- |
| Mental Health | Adult Social Care | 0.030\*\* | 0.019 | 0.028\* | 0.034\*\* |
|  |  | [0.011; 0.049] | [-0.014; 0.051] | [0.007; 0.049] | [0.014; 0.055] |
|  | Children Social Care | -0.027\* | -0.231\*\*\* | -0.032\*\* | -0.045\*\*\* |
|  |  | [-0.045; -0.009] | [-0.268; -0.195] | [-0.052; -0.012] | [-0.064; -0.025] |
|  | Healthcare | -0.022\* | -0.135\*\*\* | -0.013 | -0.022\* |
|  |  | [-0.038; -0.006] | [-0.168; -0.102] | [-0.030; 0.004] | [-0.038; -0.005] |
|  | Environment | 0.010 | 0.077\*\*\* | 0.009 |  |
|  |  | [-0.009; 0.028] | [0.045; 0.109] | [-0.009; 0.027] |  |
|  | Law and Order | 0.022\* | 0.128\*\*\* | 0.010 |  |
|  |  | [0.006; 0.039] | [0.106; 0.151] | [-0.005; 0.026] |  |
|  | Infrastructure | 0.014 | 0.081\*\*\* | 0.014 |  |
|  |  | [-0.001; 0.029] | [0.045; 0.117] | [-0.003; 0.030] |  |
| Adult Social Care | Children Social Care | 0.044 |  | 0.078\* | 0.067\* |
|  |  | [-0.008; 0.096] |  | [0.023; 0.133] | [0.019; 0.116] |
|  | Healthcare | -0.034 |  | -0.004 | -0.024 |
|  |  | [-0.075; 0.007] |  | [-0.058; 0.050] | [-0.070; 0.021] |
|  | Environment | 0.122\*\*\* |  | 0.094\* |  |
|  |  | [0.061; 0.183] |  | [0.030; 0.158] |  |
|  | Law and Order | 0.102\*\*\* |  | 0.071\* |  |
|  |  | [0.058; 0.146] |  | [0.017; 0.125] |  |
|  | Infrastructure | 0.065^ |  | 0.032 |  |
|  |  | [0.006; 0.124] |  | [-0.031; 0.094] |  |
| Children Social Care | Healthcare | 0.083\*\* |  | 0.069\* | 0.095\*\*\* |
|  |  | [0.037; 0.129] |  | [0.019; 0.119] | [0.048; 0.143] |
|  | Environment | 0.056 |  | 0.075^ |  |
|  |  | [-0.011; 0.122] |  | [0.012; 0.138] |  |
|  | Law and Order | -0.024 |  | 0.038 |  |
|  |  | [-0.068; 0.020] |  | [-0.013; 0.088] |  |
|  | Infrastructure | -0.005 |  | -0.001 |  |
|  |  | [-0.068; 0.058] |  | [-0.068; 0.066] |  |
| Healthcare | Environment | -0.016 | -0.010 | 0.026 |  |
|  |  | [-0.064; 0.033] | [-0.055; 0.034] | [-0.027; 0.078] |  |
|  | Law and Order | -0.026 | 0.016 | 0.042^ |  |
|  |  | [-0.072; 0.020] | [-0.028; 0.060] | [0.003; 0.081] |  |
|  | Infrastructure | 0.035 | 0.024 | 0.068\* |  |
|  |  | [-0.017; 0.087] | [-0.029; 0.078] | [0.022; 0.114] |  |
| Environment | Law and Order | 0.164\*\*\* | 0.148\*\*\* | 0.110\*\* |  |
|  |  | [0.095; 0.232] | [0.094; 0.202] | [0.050; 0.171] |  |
|  | Infrastructure | 0.164\*\*\* | 0.171\*\*\* | 0.153\*\*\* |  |
|  |  | [0.094; 0.234] | [0.086; 0.256] | [0.083; 0.224] |  |
| Law and Order | Infrastructure | 0.015 | 0.050 | -0.014 |  |
|  |  | [-0.081; 0.110] | [-0.024; 0.124] | [-0.097; 0.068] |  |

|  | Model 2.1 | | Model 2.2 | | Model 2.3 | | Model 2.4 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Long-run | Short-run | Long-run | Short-run | Long-run | Short-run | Long-run | Short-run |
| Autoregressive Effects |  |  |  |  |  |  |  |  |
| Mental Health | 0.230\*\*\* | 0.082\*\*\* | 0.072\*\*\* | 0.346\*\*\* | 0.020\*\*\* | 0.355\*\*\* | 0.090\*\*\* | 0.167\*\*\* |
|  | [0.215; 0.244] | [0.068; 0.097] | [0.054; 0.090] | [0.307; 0.385] | [0.011; 0.029] | [0.330; 0.381] | [0.073; 0.106] | [0.149; 0.185] |
| Adult Social Care | 0.298\*\*\* | -0.069 | 0.206\* | 0.041 | 0.248\*\* | -0.000 | 0.288\*\*\* | -0.058 |
|  | [0.168; 0.427] | [-0.208; 0.070] | [0.068; 0.343] | [-0.092; 0.175] | [0.104; 0.391] | [-0.148; 0.147] | [0.156; 0.421] | [-0.198; 0.083] |
| Children Social Care | -0.114\*\*\* | 0.452\*\*\* | -0.043 | 0.388\*\*\* | -0.083\* | 0.416\*\*\* | -0.103\*\* | 0.443\*\*\* |
|  | [-0.169; -0.060] | [0.380; 0.523] | [-0.098; 0.012] | [0.323; 0.453] | [-0.137; -0.030] | [0.347; 0.484] | [-0.159; -0.046] | [0.370; 0.515] |
| Healthcare | 0.010 | 0.652\*\*\* | 0.002 | 0.675\*\*\* | -0.014 | 0.682\*\*\* | 0.012 | 0.651\*\*\* |
|  | [-0.009; 0.030] | [0.559; 0.745] | [-0.018; 0.022] | [0.565; 0.785] | [-0.034; 0.006] | [0.578; 0.785] | [-0.008; 0.032] | [0.558; 0.743] |
| Environment | 0.069 | 0.290\*\*\* | 0.106\*\* | 0.257\*\*\* | 0.100\*\* | 0.266\*\*\* | 0.070 | 0.289\*\*\* |
|  | [-0.001; 0.140] | [0.209; 0.371] | [0.044; 0.169] | [0.178; 0.335] | [0.037; 0.163] | [0.189; 0.344] | [-0.000; 0.139] | [0.209; 0.370] |
| Law and Order | 0.114\*\*\* | 0.360\*\*\* | 0.100\*\* | 0.369\*\*\* | 0.125\*\*\* | 0.350\*\*\* | 0.112\*\*\* | 0.364\*\*\* |
|  | [0.058; 0.171] | [0.229; 0.492] | [0.048; 0.152] | [0.229; 0.508] | [0.073; 0.177] | [0.218; 0.482] | [0.058; 0.166] | [0.234; 0.495] |
| Infrastructure | -0.098 | 0.367\*\*\* | -0.066 | 0.357\*\*\* | -0.088 | 0.370\*\*\* | -0.106 | 0.377\*\*\* |
|  | [-0.220; 0.024] | [0.271; 0.462] | [-0.206; 0.073] | [0.253; 0.460] | [-0.220; 0.043] | [0.272; 0.468] | [-0.230; 0.017] | [0.282; 0.473] |
| Cross-Lagged Effects: Mental Health -> Spending |  |  |  |  |  |  |  |  |
| Adult Social Care | 0.066\*\*\* | -0.030 | -0.173\*\*\* | 0.163\*\* | -0.145\*\* | 0.211\*\* | -0.045 | 0.057\* |
|  | [0.039; 0.093] | [-0.069; 0.009] | [-0.247; -0.100] | [0.077; 0.249] | [-0.237; -0.053] | [0.087; 0.335] | [-0.090; 0.000] | [0.011; 0.104] |
| Children Social Care | -0.031\* | 0.052\*\* | 0.224\*\*\* | -0.208\*\*\* | 0.250\*\*\* | -0.247\*\*\* | 0.039 | -0.042 |
|  | [-0.056; -0.006] | [0.019; 0.085] | [0.173; 0.276] | [-0.269; -0.146] | [0.182; 0.318] | [-0.332; -0.162] | [-0.001; 0.079] | [-0.087; 0.003] |
| Healthcare | 0.010\* | -0.021\*\* | -0.024^ | 0.051\*\*\* | -0.055\*\*\* | -0.051\* | 0.012 | -0.026\* |
|  | [0.003; 0.016] | [-0.032; -0.010] | [-0.046; -0.003] | [0.027; 0.075] | [-0.076; -0.033] | [-0.091; -0.011] | [-0.002; 0.027] | [-0.045; -0.008] |
| Environment | 0.020 | 0.000 | -0.117\*\*\* | 0.087\* | -0.137\*\*\* | 0.132\*\* | -0.050\*\* | 0.035\* |
|  | [-0.005; 0.044] | [-0.025; 0.026] | [-0.171; -0.063] | [0.022; 0.151] | [-0.190; -0.083] | [0.056; 0.208] | [-0.080; -0.021] | [0.008; 0.061] |
| Law and Order | 0.033\*\*\* | -0.017 | -0.081\*\*\* | 0.061\*\* | -0.088\*\*\* | 0.105\*\*\* | -0.044\*\*\* | 0.038\*\*\* |
|  | [0.023; 0.044] | [-0.035; 0.000] | [-0.107; -0.055] | [0.025; 0.097] | [-0.121; -0.055] | [0.066; 0.144] | [-0.063; -0.026] | [0.020; 0.056] |
| Infrastructure | 0.019 | -0.024 | -0.057 | 0.039 | -0.024 | -0.024 | -0.008 | -0.006 |
|  | [-0.004; 0.042] | [-0.053; 0.005] | [-0.119; 0.004] | [-0.032; 0.110] | [-0.093; 0.044] | [-0.111; 0.063] | [-0.042; 0.026] | [-0.038; 0.026] |
| Cross-Lagged Effects: Spending -> Mental Health |  |  |  |  |  |  |  |  |
| Adult Social Care | 0.114\*\*\* | -0.109\*\*\* | -0.007 | 0.004 | 0.025\*\*\* | -0.021\*\* | -0.056\*\* | 0.065\*\* |
|  | [0.074; 0.154] | [-0.149; -0.069] | [-0.029; 0.016] | [-0.017; 0.025] | [0.014; 0.036] | [-0.033; -0.009] | [-0.088; -0.024] | [0.032; 0.099] |
| Children Social Care | 0.019 | -0.040\*\* | 0.006 | 0.009 | -0.004 | 0.006 | 0.019^ | -0.001 |
|  | [-0.004; 0.042] | [-0.065; -0.016] | [-0.009; 0.020] | [-0.010; 0.029] | [-0.010; 0.002] | [-0.003; 0.014] | [0.000; 0.038] | [-0.035; 0.033] |
| Healthcare | 0.023^ | -0.075\*\*\* | 0.025\* | -0.068\*\*\* | 0.011\* | -0.075\*\*\* | -0.001 | 0.109\*\*\* |
|  | [0.001; 0.045] | [-0.109; -0.041] | [0.007; 0.042] | [-0.100; -0.037] | [0.003; 0.019] | [-0.094; -0.055] | [-0.026; 0.024] | [0.065; 0.153] |
| Environment | -0.032 | 0.054\* | -0.030\*\* | 0.018 | -0.011\* | 0.006 | 0.010 | -0.027 |
|  | [-0.064; 0.001] | [0.018; 0.090] | [-0.047; -0.012] | [-0.006; 0.042] | [-0.020; -0.003] | [-0.003; 0.015] | [-0.014; 0.034] | [-0.060; 0.007] |
| Law and Order | 0.103\*\*\* | -0.047^ | -0.007 | 0.011 | 0.016\* | -0.013 | -0.014 | -0.004 |
|  | [0.063; 0.144] | [-0.086; -0.007] | [-0.029; 0.015] | [-0.013; 0.035] | [0.006; 0.026] | [-0.029; 0.002] | [-0.047; 0.018] | [-0.049; 0.041] |
| Infrastructure | -0.113\*\*\* | 0.126\*\*\* | 0.003 | -0.015 | -0.027\*\*\* | 0.021\*\* | 0.072\*\*\* | -0.077\*\*\* |
|  | [-0.167; -0.059] | [0.069; 0.183] | [-0.021; 0.026] | [-0.039; 0.009] | [-0.039; -0.014] | [0.009; 0.034] | [0.037; 0.107] | [-0.116; -0.039] |
| Random Intercepts |  |  |  |  |  |  |  |  |
| Mental Health | -0.054^ |  | 0.805\*\*\* |  | 0.447\*\*\* |  | 0.156\*\*\* |  |
|  | [-0.104; -0.004] |  | [0.735; 0.875] |  | [0.363; 0.532] |  | [0.091; 0.221] |  |
| Adult Social Care | -0.135 |  | -0.036 |  | -0.096 |  | -0.141 |  |
|  | [-0.285; 0.015] |  | [-0.187; 0.116] |  | [-0.247; 0.054] |  | [-0.291; 0.009] |  |
| Children Social Care | -0.295\*\* |  | -0.343\*\*\* |  | -0.308\*\* |  | -0.288\*\* |  |
|  | [-0.460; -0.130] |  | [-0.503; -0.183] |  | [-0.471; -0.146] |  | [-0.453; -0.123] |  |
| Healthcare | -0.542\*\*\* |  | -0.540\*\*\* |  | -0.537\*\*\* |  | -0.540\*\*\* |  |
|  | [-0.729; -0.356] |  | [-0.726; -0.354] |  | [-0.723; -0.351] |  | [-0.727; -0.354] |  |
| Environment | 0.212\* |  | 0.225\* |  | 0.210\* |  | 0.211\* |  |
|  | [0.065; 0.359] |  | [0.077; 0.373] |  | [0.065; 0.354] |  | [0.064; 0.357] |  |
| Law and Order | -0.174\*\*\* |  | -0.150\*\*\* |  | -0.172\*\*\* |  | -0.176\*\*\* |  |
|  | [-0.246; -0.102] |  | [-0.225; -0.076] |  | [-0.243; -0.100] |  | [-0.248; -0.104] |  |
| Infrastructure | -0.075 |  | -0.106 |  | -0.102 |  | -0.078 |  |
|  | [-0.218; 0.068] |  | [-0.249; 0.037] |  | [-0.244; 0.040] |  | [-0.223; 0.066] |  |
| Random Slopes |  |  |  |  |  |  |  |  |
| Mental Health | 0.005 |  | -0.292\*\*\* |  | -0.184\*\*\* |  | -0.101\*\*\* |  |
|  | [-0.004; 0.013] |  | [-0.302; -0.281] |  | [-0.193; -0.175] |  | [-0.115; -0.088] |  |
| Adult Social Care | 0.100\*\*\* |  | 0.084\*\*\* |  | 0.092\*\*\* |  | 0.100\*\*\* |  |
|  | [0.067; 0.133] |  | [0.051; 0.117] |  | [0.059; 0.126] |  | [0.066; 0.133] |  |
| Children Social Care | 0.151\*\*\* |  | 0.150\*\*\* |  | 0.149\*\*\* |  | 0.152\*\*\* |  |
|  | [0.105; 0.197] |  | [0.108; 0.193] |  | [0.105; 0.194] |  | [0.106; 0.197] |  |
| Healthcare | 0.115\*\*\* |  | 0.117\*\*\* |  | 0.115\*\*\* |  | 0.115\*\*\* |  |
|  | [0.098; 0.132] |  | [0.100; 0.134] |  | [0.098; 0.132] |  | [0.098; 0.132] |  |
| Environment | -0.109\*\*\* |  | -0.106\*\*\* |  | -0.106\*\*\* |  | -0.111\*\*\* |  |
|  | [-0.139; -0.078] |  | [-0.136; -0.077] |  | [-0.135; -0.076] |  | [-0.141; -0.080] |  |
| Law and Order | -0.061\*\*\* |  | -0.064\*\*\* |  | -0.061\*\*\* |  | -0.063\*\*\* |  |
|  | [-0.078; -0.045] |  | [-0.080; -0.048] |  | [-0.076; -0.045] |  | [-0.079; -0.046] |  |
| Infrastructure | -0.105\*\*\* |  | -0.094\*\*\* |  | -0.098\*\*\* |  | -0.105\*\*\* |  |
|  | [-0.145; -0.064] |  | [-0.133; -0.055] |  | [-0.137; -0.058] |  | [-0.146; -0.064] |  |
| Fit Measures (Scaled) |  |  |  |  |  |  |  |  |
| Number of Parameters | 413.000 | | 413.000 | | 413.000 | | 413.000 | |
| Chi-Squared | 5484.396 | | 5107.941 | | 5317.768 | | 5327.564 | |
| Degrees of Freedom | 1449.000 | | 1449.000 | | 1449.000 | | 1449.000 | |
| CFI | 0.886 | | 0.890 | | 0.895 | | 0.883 | |
| TLI | 0.861 | | 0.866 | | 0.872 | | 0.858 | |
| SMRM | 0.028 | | 0.026 | | 0.027 | | 0.027 | |
| RMSEA | 0.009 | | 0.009 | | 0.009 | | 0.009 | |
| RMSEA Lower Bound | 0.009 | | 0.009 | | 0.009 | | 0.009 | |
| RMSEA Upper Bound | 0.009 | | 0.009 | | 0.009 | | 0.009 | |
| AGFI | 0.872 | | 0.881 | | 0.889 | | 0.872 | |
| AIC | 908415.499 | | 842300.451 | | 601708.829 | | 1105632.860 | |
| BIC | 911864.748 | | 845749.700 | | 605158.079 | | 1109082.109 | |
| Log-Likelihood | -453794.750 | | -420737.225 | | -300441.415 | | -552403.430 | |

|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Intercept Mental Health | 1.000 | 0.013 | 0.080\* | -0.120\*\*\* | -0.064^ | 0.005 | -0.048 |
|  |  |  | [-0.047; 0.073] | [0.018; 0.141] | [-0.169; -0.071] | [-0.122; -0.005] | [-0.055; 0.066] | [-0.110; 0.013] |
| 2 | Intercept Adult Social Care |  | 1.000 | 0.174\* | 0.390\*\*\* | 0.130 | -0.072 | 0.190^ |
|  |  |  |  | [0.059; 0.289] | [0.292; 0.488] | [-0.008; 0.268] | [-0.195; 0.052] | [0.001; 0.378] |
| 3 | Intercept Children Social Care |  |  | 1.000 | 0.045 | -0.017 | -0.112 | 0.019 |
|  |  |  |  |  | [-0.077; 0.167] | [-0.154; 0.121] | [-0.256; 0.031] | [-0.129; 0.168] |
| 4 | Intercept Healthcare |  |  |  | 1.000 | 0.379\*\*\* | 0.101 | 0.219\*\* |
|  |  |  |  |  |  | [0.291; 0.467] | [-0.024; 0.227] | [0.090; 0.348] |
| 5 | Intercept Environment |  |  |  |  | 1.000 | 0.184\* | -0.087 |
|  |  |  |  |  |  |  | [0.045; 0.324] | [-0.252; 0.078] |
| 6 | Intercept Law and Order |  |  |  |  |  | 1.000 | 0.194\* |
|  |  |  |  |  |  |  |  | [0.032; 0.355] |
| 7 | Intercept Infrastructure |  |  |  |  |  |  | 1.000 |

|  |  | Slope  Mental Health | Slope  Adult Social Care | Slope  Children Social Care | Slope  Healthcare | Slope  Environment | Slope  Law and Order | Slope  Infrastructure |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Intercept Mental Health | 0.035 | -0.105\* | -0.198\*\*\* | -0.043 | 0.128\*\* | 0.139\* | 0.053 |
|  |  | [-0.015; 0.084] | [-0.178; -0.032] | [-0.266; -0.130] | [-0.125; 0.039] | [0.052; 0.204] | [0.049; 0.229] | [-0.021; 0.126] |
| 2 | Intercept Adult Social Care | -0.001 | -0.307\*\* | 0.008 | -0.250\*\* | -0.180^ | -0.501\*\*\* | -0.244\* |
|  |  | [-0.077; 0.076] | [-0.485; -0.128] | [-0.120; 0.136] | [-0.401; -0.099] | [-0.339; -0.022] | [-0.701; -0.301] | [-0.412; -0.077] |
| 3 | Intercept Children Social Care | 0.105\*\* | -0.241\* | -0.261\*\*\* | -0.277\*\* | 0.179^ | 0.134 | -0.126 |
|  |  | [0.041; 0.169] | [-0.413; -0.070] | [-0.372; -0.150] | [-0.425; -0.129] | [0.017; 0.340] | [-0.023; 0.291] | [-0.305; 0.052] |
| 4 | Intercept Healthcare | -0.100\*\* | 0.116 | 0.010 | -0.447\*\*\* | -0.146\* | -0.042 | -0.127 |
|  |  | [-0.156; -0.045] | [-0.007; 0.238] | [-0.095; 0.115] | [-0.544; -0.349] | [-0.261; -0.031] | [-0.190; 0.107] | [-0.261; 0.008] |
| 5 | Intercept Environment | 0.022 | -0.019 | -0.096 | -0.247\*\* | -0.314\*\*\* | 0.125 | -0.103 |
|  |  | [-0.047; 0.091] | [-0.194; 0.157] | [-0.238; 0.046] | [-0.390; -0.103] | [-0.462; -0.165] | [-0.067; 0.318] | [-0.271; 0.065] |
| 6 | Intercept Law and Order | -0.045 | 0.082 | 0.188 | -0.060 | 0.124 | 0.486^ | -0.232\* |
|  |  | [-0.143; 0.054] | [-0.141; 0.306] | [-0.014; 0.389] | [-0.206; 0.087] | [-0.042; 0.290] | [0.022; 0.951] | [-0.399; -0.064] |
| 7 | Intercept Infrastructure | 0.022 | 0.105 | -0.009 | 0.006 | -0.000 | -0.230^ | -0.253\*\* |
|  |  | [-0.063; 0.107] | [-0.109; 0.319] | [-0.182; 0.164] | [-0.147; 0.158] | [-0.156; 0.155] | [-0.426; -0.034] | [-0.394; -0.112] |

|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Slope Mental Health | 1.000 | -0.057 | -0.179\*\*\* | -0.094^ | 0.089 | 0.094 | -0.032 |
|  |  |  | [-0.150; 0.037] | [-0.238; -0.121] | [-0.178; -0.010] | [-0.002; 0.180] | [-0.017; 0.204] | [-0.129; 0.066] |
| 2 | Slope Adult Social Care |  | 1.000 | 0.167 | 0.331\*\* | 0.119 | 0.079 | 0.357\* |
|  |  |  |  | [-0.046; 0.380] | [0.134; 0.528] | [-0.107; 0.344] | [-0.202; 0.359] | [0.117; 0.596] |
| 3 | Slope Children Social Care |  |  | 1.000 | 0.077 | -0.233\*\* | -0.102 | 0.047 |
|  |  |  |  |  | [-0.054; 0.208] | [-0.379; -0.087] | [-0.266; 0.061] | [-0.197; 0.291] |
| 4 | Slope Healthcare |  |  |  | 1.000 | 0.030 | 0.101 | 0.060 |
|  |  |  |  |  |  | [-0.131; 0.190] | [-0.091; 0.294] | [-0.127; 0.248] |
| 5 | Slope Environment |  |  |  |  | 1.000 | 0.300\* | 0.155 |
|  |  |  |  |  |  |  | [0.060; 0.541] | [-0.145; 0.455] |
| 6 | Slope Law and Order |  |  |  |  |  | 1.000 | 0.477\*\* |
|  |  |  |  |  |  |  |  | [0.195; 0.758] |
| 7 | Slope Infrastructure |  |  |  |  |  |  | 1.000 |

|  | SAMHI | Adult Social Care | Children Social Care | Healthcare | Environment | Law and Order | Infrastructure |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Public Health | -0.048\* | 0.177\*\* | 0.495\*\*\* | 0.436\*\*\* | 0.290\*\*\* | 0.098\*\*\* | 0.066 |
|  | [-0.085; -0.010] | [0.079; 0.274] | [0.363; 0.626] | [0.317; 0.555] | [0.197; 0.383] | [0.052; 0.145] | [-0.011; 0.143] |
| LTLA Income | -0.000 | 0.437\*\*\* | 0.071 | 0.178\*\* | 0.552\*\*\* | 0.102\*\*\* | 0.578\*\*\* |
|  | [-0.030; 0.030] | [0.348; 0.525] | [-0.037; 0.179] | [0.071; 0.285] | [0.444; 0.660] | [0.056; 0.147] | [0.486; 0.669] |
| IMD (inc. + empl.) | -0.645\*\*\* | 0.031 | 0.072\*\*\* | 0.245\*\*\* | 0.051\* | -0.016^ | 0.055\*\*\* |
|  | [-0.666; -0.624] | [-0.004; 0.067] | [0.036; 0.107] | [0.205; 0.286] | [0.017; 0.084] | [-0.031; -0.001] | [0.029; 0.081] |
| LSOA Population Size | 0.009\*\* | -0.009 | -0.007 | 0.019^ | 0.009 | -0.004 | -0.008 |
|  | [0.004; 0.015] | [-0.020; 0.002] | [-0.019; 0.004] | [0.002; 0.035] | [-0.004; 0.022] | [-0.010; 0.001] | [-0.017; 0.002] |
| Non-white | 0.326\*\*\* | -0.144\*\* | 0.072 | -0.372\*\*\* | -0.122\*\* | 0.054\*\* | -0.048 |
|  | [0.299; 0.354] | [-0.225; -0.063] | [-0.001; 0.145] | [-0.444; -0.299] | [-0.185; -0.059] | [0.022; 0.085] | [-0.103; 0.006] |
| Females | 0.067\*\*\* | 0.009 | 0.003 | -0.035\*\* | -0.015 | 0.002 | -0.008 |
|  | [0.056; 0.079] | [-0.011; 0.030] | [-0.016; 0.022] | [-0.053; -0.017] | [-0.033; 0.004] | [-0.007; 0.010] | [-0.023; 0.006] |
| Older | -0.118\*\*\* | 0.053\*\* | -0.005 | 0.191\*\*\* | 0.022 | -0.011 | 0.015 |
|  | [-0.130; -0.106] | [0.024; 0.082] | [-0.037; 0.027] | [0.156; 0.226] | [-0.004; 0.049] | [-0.025; 0.002] | [-0.006; 0.036] |
| N of LSOAs in LTLA | 0.034^ | -0.086\* | -0.053 | -0.069 | 0.043 | 0.040^ | 0.094^ |
|  | [0.001; 0.066] | [-0.151; -0.021] | [-0.174; 0.068] | [-0.167; 0.029] | [-0.053; 0.138] | [0.003; 0.078] | [0.010; 0.178] |
| Rural | 0.230\*\*\* | 0.043 | -0.017 | 0.148\* | -0.008 | -0.044\* | -0.059^ |
|  | [0.196; 0.265] | [-0.031; 0.117] | [-0.093; 0.059] | [0.049; 0.246] | [-0.094; 0.077] | [-0.080; -0.009] | [-0.113; -0.005] |
| London Boroughs | 0.371\*\*\* | -0.460\* | 0.147 | -0.000 | 0.059 | 2.050\*\*\* | 1.138\*\*\* |
|  | [0.267; 0.475] | [-0.755; -0.164] | [-0.163; 0.456] | [-0.293; 0.292] | [-0.209; 0.327] | [1.932; 2.168] | [0.908; 1.368] |
| Shire Districts | -0.015 | 0.077 | -0.509\*\*\* | 0.218 | 0.405\*\*\* | -0.148\* | 0.470\*\*\* |
|  | [-0.089; 0.058] | [-0.115; 0.268] | [-0.717; -0.301] | [-0.023; 0.459] | [0.211; 0.599] | [-0.243; -0.053] | [0.300; 0.641] |
| Metropolitan Districts | -0.141\* | 0.091 | 0.109 | 0.733\*\*\* | -0.186 | 0.274\*\*\* | 0.356\*\* |
|  | [-0.234; -0.048] | [-0.146; 0.329] | [-0.158; 0.376] | [0.470; 0.996] | [-0.432; 0.059] | [0.159; 0.388] | [0.140; 0.572] |

|  | SAMHI | Adult Social Care | Children Social Care | Healthcare | Environment | Law and Order | Infrastructure |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Public Health | -0.010\*\*\* | -0.005 | -0.002 | -0.036\*\*\* | -0.023^ | -0.010 | -0.016 |
|  | [-0.015; -0.005] | [-0.023; 0.014] | [-0.019; 0.016] | [-0.048; -0.024] | [-0.043; -0.003] | [-0.019; 0.000] | [-0.038; 0.006] |
| LTLA Income | 0.007\* | -0.000 | -0.016 | -0.018\*\* | 0.004 | 0.008^ | 0.021\* |
|  | [0.002; 0.011] | [-0.020; 0.020] | [-0.033; 0.002] | [-0.028; -0.008] | [-0.011; 0.020] | [0.000; 0.016] | [0.004; 0.039] |
| IMD (inc. + empl.) | -0.010\*\*\* | -0.001 | 0.014\* | -0.010\*\*\* | -0.013\*\*\* | -0.006\*\* | -0.008\* |
|  | [-0.013; -0.007] | [-0.007; 0.005] | [0.005; 0.023] | [-0.014; -0.006] | [-0.019; -0.006] | [-0.009; -0.003] | [-0.014; -0.002] |
| LSOA Population Size | 0.000 | 0.001 | -0.003\* | -0.000 | 0.002 | 0.001 | 0.001 |
|  | [-0.001; 0.001] | [-0.001; 0.003] | [-0.005; -0.000] | [-0.002; 0.001] | [-0.000; 0.004] | [-0.000; 0.002] | [-0.001; 0.003] |
| Non-white | 0.027\*\*\* | -0.002 | -0.030^ | 0.006 | 0.017\*\* | 0.007\* | 0.005 |
|  | [0.023; 0.031] | [-0.014; 0.010] | [-0.059; -0.002] | [-0.000; 0.013] | [0.006; 0.027] | [0.002; 0.013] | [-0.006; 0.016] |
| Females | -0.005\*\*\* | 0.001 | -0.003 | 0.004\*\* | 0.000 | 0.002\*\* | 0.002 |
|  | [-0.006; -0.003] | [-0.003; 0.004] | [-0.008; 0.002] | [0.001; 0.006] | [-0.003; 0.004] | [0.001; 0.004] | [-0.001; 0.006] |
| Older | -0.007\*\*\* | 0.003 | 0.005 | -0.004^ | -0.007\* | -0.004\*\* | -0.002 |
|  | [-0.009; -0.006] | [-0.002; 0.008] | [-0.001; 0.011] | [-0.008; -0.001] | [-0.012; -0.002] | [-0.007; -0.002] | [-0.006; 0.003] |
| N of LSOAs in LTLA | 0.001 | -0.003 | -0.010 | -0.007^ | -0.000 | 0.003 | -0.006 |
|  | [-0.003; 0.005] | [-0.017; 0.010] | [-0.029; 0.009] | [-0.014; -0.000] | [-0.016; 0.016] | [-0.002; 0.009] | [-0.021; 0.010] |
| Rural | 0.014\*\*\* | 0.013^ | -0.022\*\* | -0.016\*\*\* | 0.013 | -0.003 | 0.006 |
|  | [0.009; 0.019] | [0.000; 0.025] | [-0.035; -0.009] | [-0.024; -0.009] | [-0.001; 0.027] | [-0.010; 0.004] | [-0.009; 0.022] |
| London Boroughs | 0.038\*\*\* | -0.092\* | -0.005 | -0.013 | -0.004 | 0.021 | -0.024 |
|  | [0.026; 0.050] | [-0.151; -0.033] | [-0.090; 0.080] | [-0.044; 0.019] | [-0.053; 0.046] | [-0.006; 0.048] | [-0.079; 0.032] |
| Shire Districts | 0.005 | -0.070\*\* | -0.038 | -0.034\*\* | 0.005 | 0.040\*\* | 0.001 |
|  | [-0.004; 0.014] | [-0.112; -0.027] | [-0.092; 0.016] | [-0.054; -0.013] | [-0.030; 0.040] | [0.020; 0.061] | [-0.040; 0.041] |
| Metropolitan Districts | 0.007 | -0.037 | 0.019 | -0.019 | -0.002 | 0.008 | -0.020 |
|  | [-0.007; 0.020] | [-0.081; 0.007] | [-0.025; 0.062] | [-0.044; 0.006] | [-0.051; 0.047] | [-0.012; 0.029] | [-0.076; 0.035] |

|  | Adult Social Care | Children Social Care | Healthcare | Environment | Law and Order | Infrastructure |
| --- | --- | --- | --- | --- | --- | --- |
| Long-run |  |  |  |  |  |  |
| Adult Social Care | 0.276\*\*\* | -0.100 | -0.029 | 0.140\*\* | 0.137\*\*\* | 0.005 |
|  | [0.139; 0.413] | [-0.205; 0.005] | [-0.067; 0.008] | [0.061; 0.220] | [0.093; 0.181] | [-0.082; 0.092] |
| Children Social Care | -0.015 | -0.082\* | 0.078\*\*\* | -0.037 | 0.004 | -0.028 |
|  | [-0.085; 0.054] | [-0.138; -0.025] | [0.059; 0.097] | [-0.085; 0.012] | [-0.027; 0.034] | [-0.080; 0.024] |
| Healthcare | -0.105\* | -0.024 | 0.004 | -0.082\* | -0.039\* | -0.015 |
|  | [-0.187; -0.023] | [-0.098; 0.050] | [-0.015; 0.023] | [-0.148; -0.016] | [-0.068; -0.011] | [-0.085; 0.055] |
| Environment | -0.000 | 0.173\*\* | -0.015 | 0.077^ | -0.051\* | 0.074\* |
|  | [-0.088; 0.087] | [0.079; 0.267] | [-0.045; 0.016] | [0.010; 0.143] | [-0.085; -0.017] | [0.013; 0.135] |
| Law and Order | 0.138\* | -0.123\* | -0.023 | -0.007 | 0.113\*\*\* | 0.034 |
|  | [0.030; 0.247] | [-0.212; -0.034] | [-0.053; 0.008] | [-0.084; 0.070] | [0.060; 0.166] | [-0.056; 0.124] |
| Infrastructure | -0.203\* | 0.099 | 0.015 | -0.078 | -0.111\*\* | -0.098 |
|  | [-0.336; -0.069] | [-0.040; 0.238] | [-0.023; 0.053] | [-0.178; 0.022] | [-0.169; -0.052] | [-0.226; 0.030] |
| Short-run |  |  |  |  |  |  |
| Adult Social Care | -0.041 | 0.129^ | 0.008 | -0.168\*\* | -0.110\*\*\* | -0.023 |
|  | [-0.185; 0.103] | [0.013; 0.246] | [-0.035; 0.052] | [-0.253; -0.082] | [-0.157; -0.064] | [-0.108; 0.062] |
| Children Social Care | 0.044 | 0.421\*\*\* | -0.012 | 0.059 | -0.010 | 0.081 |
|  | [-0.075; 0.162] | [0.349; 0.493] | [-0.046; 0.022] | [-0.019; 0.137] | [-0.046; 0.025] | [-0.003; 0.164] |
| Healthcare | -0.030 | -0.076 | 0.660\*\*\* | -0.038 | -0.017 | 0.024 |
|  | [-0.146; 0.086] | [-0.198; 0.045] | [0.563; 0.758] | [-0.127; 0.050] | [-0.055; 0.021] | [-0.067; 0.115] |
| Environment | -0.043 | -0.113 | 0.016 | 0.282\*\*\* | 0.041 | -0.030 |
|  | [-0.171; 0.084] | [-0.234; 0.008] | [-0.029; 0.062] | [0.204; 0.361] | [-0.001; 0.084] | [-0.111; 0.051] |
| Law and Order | -0.213\* | 0.155\*\* | 0.028 | -0.035 | 0.362\*\*\* | -0.031 |
|  | [-0.351; -0.076] | [0.072; 0.238] | [-0.009; 0.065] | [-0.130; 0.060] | [0.231; 0.494] | [-0.119; 0.058] |
| Infrastructure | 0.217\* | -0.100 | -0.022 | 0.114^ | 0.136\*\*\* | 0.374\*\*\* |
|  | [0.053; 0.380] | [-0.264; 0.065] | [-0.070; 0.027] | [0.011; 0.217] | [0.076; 0.195] | [0.277; 0.472] |

|  | Model 1.3 | | Model 3.1 | | Model 3.2 | | Model 3.3 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Long-run | Short-run | Long-run | Short-run | Long-run | Short-run | Long-run | Short-run |
| Autoregressive Effects |  |  |  |  |  |  |  |  |
| Mental Health | 0.066\*\*\* | 0.230\*\*\* | 0.074\*\*\* | 0.227\*\*\* | 0.073\*\*\* | 0.225\*\*\* | 0.064\*\*\* | 0.224\*\*\* |
|  | [0.056; 0.076] | [0.214; 0.246] | [0.065; 0.084] | [0.210; 0.245] | [0.062; 0.083] | [0.209; 0.242] | [0.051; 0.077] | [0.203; 0.244] |
| Adult Social Care | 0.276\*\*\* | -0.041 | 0.285\*\* | -0.100 | 0.224\*\* | -0.047 | 0.170\* | 0.024 |
|  | [0.139; 0.413] | [-0.185; 0.103] | [0.131; 0.439] | [-0.278; 0.078] | [0.089; 0.358] | [-0.215; 0.120] | [0.054; 0.286] | [-0.133; 0.182] |
| Children Social Care | -0.082\* | 0.421\*\*\* | -0.112\*\*\* | 0.494\*\*\* | -0.076\* | 0.420\*\*\* | -0.093\*\* | 0.468\*\*\* |
|  | [-0.138; -0.025] | [0.349; 0.493] | [-0.163; -0.060] | [0.437; 0.550] | [-0.139; -0.014] | [0.337; 0.503] | [-0.149; -0.037] | [0.391; 0.544] |
| Healthcare | 0.004 | 0.660\*\*\* | 0.005 | 0.664\*\*\* | 0.001 | 0.659\*\*\* | -0.001 | 0.668\*\*\* |
|  | [-0.015; 0.023] | [0.563; 0.758] | [-0.018; 0.027] | [0.554; 0.773] | [-0.020; 0.022] | [0.554; 0.765] | [-0.027; 0.024] | [0.542; 0.793] |
| Environment | 0.077^ | 0.282\*\*\* | 0.087\* | 0.243\*\*\* | 0.089\* | 0.239\*\*\* | 0.136\*\* | 0.264\*\*\* |
|  | [0.010; 0.143] | [0.204; 0.361] | [0.019; 0.155] | [0.161; 0.325] | [0.017; 0.162] | [0.154; 0.325] | [0.052; 0.220] | [0.171; 0.357] |
| Law and Order | 0.113\*\*\* | 0.362\*\*\* | 0.115\* | 0.329\*\*\* | 0.135\*\*\* | 0.294\*\*\* | 0.184\*\*\* | 0.136^ |
|  | [0.060; 0.166] | [0.231; 0.494] | [0.021; 0.210] | [0.190; 0.468] | [0.069; 0.202] | [0.157; 0.431] | [0.102; 0.266] | [0.021; 0.252] |
| Infrastructure | -0.098 | 0.374\*\*\* | -0.113 | 0.382\*\*\* | -0.040 | 0.325\*\*\* | -0.038 | 0.319\*\*\* |
|  | [-0.226; 0.030] | [0.277; 0.472] | [-0.242; 0.016] | [0.285; 0.479] | [-0.136; 0.055] | [0.249; 0.402] | [-0.156; 0.081] | [0.221; 0.417] |
| Cross-Lagged Effects: Mental Health -> Spending |  |  |  |  |  |  |  |  |
| Adult Social Care | -0.075\* | 0.113\*\* | -0.067\* | 0.120\* | -0.070\* | 0.129\*\* | -0.183\*\*\* | 0.287\*\*\* |
|  | [-0.124; -0.025] | [0.042; 0.185] | [-0.113; -0.022] | [0.043; 0.197] | [-0.117; -0.023] | [0.055; 0.203] | [-0.247; -0.119] | [0.194; 0.381] |
| Children Social Care | 0.128\*\*\* | -0.115\*\*\* | 0.119\*\*\* | -0.100\*\*\* | 0.149\*\*\* | -0.130\*\*\* | 0.208\*\*\* | -0.204\*\*\* |
|  | [0.089; 0.167] | [-0.157; -0.072] | [0.083; 0.155] | [-0.143; -0.058] | [0.108; 0.191] | [-0.177; -0.082] | [0.147; 0.268] | [-0.278; -0.130] |
| Healthcare | -0.013 | -0.020 | -0.009 | -0.013 | -0.015^ | -0.018 | -0.007 | -0.020 |
|  | [-0.027; 0.002] | [-0.041; 0.001] | [-0.022; 0.004] | [-0.030; 0.003] | [-0.029; -0.000] | [-0.037; 0.001] | [-0.029; 0.015] | [-0.045; 0.006] |
| Environment | -0.083\*\*\* | 0.063\*\* | -0.067\*\*\* | 0.075\*\* | -0.081\*\*\* | 0.081\*\* | -0.085\* | 0.099\* |
|  | [-0.116; -0.050] | [0.023; 0.103] | [-0.099; -0.034] | [0.031; 0.119] | [-0.118; -0.044] | [0.033; 0.129] | [-0.145; -0.026] | [0.031; 0.166] |
| Law and Order | -0.051\*\*\* | 0.046\*\* | -0.075\*\*\* | 0.050 | -0.072\*\*\* | 0.070\*\* | -0.150\*\*\* | 0.140\*\*\* |
|  | [-0.070; -0.033] | [0.021; 0.070] | [-0.111; -0.038] | [-0.002; 0.103] | [-0.101; -0.044] | [0.031; 0.109] | [-0.204; -0.097] | [0.075; 0.204] |
| Infrastructure | -0.022 | -0.010 | -0.010 | -0.024 | -0.026 | -0.009 | -0.005 | -0.006 |
|  | [-0.060; 0.017] | [-0.053; 0.033] | [-0.054; 0.035] | [-0.075; 0.027] | [-0.070; 0.019] | [-0.061; 0.043] | [-0.083; 0.073] | [-0.091; 0.079] |
| Cross-Lagged Effects: Spending -> Mental Health |  |  |  |  |  |  |  |  |
| Adult Social Care | 0.023\* | -0.016 | 0.028\*\* | -0.021^ | 0.026\* | -0.017 | 0.019\* | -0.009 |
|  | [0.007; 0.040] | [-0.033; 0.001] | [0.011; 0.046] | [-0.040; -0.002] | [0.004; 0.048] | [-0.039; 0.006] | [0.004; 0.035] | [-0.026; 0.008] |
| Children Social Care | 0.005 | -0.007 | 0.011\* | -0.020\* | 0.009 | -0.013 | 0.006 | -0.013 |
|  | [-0.005; 0.015] | [-0.020; 0.006] | [0.002; 0.021] | [-0.033; -0.007] | [-0.001; 0.019] | [-0.026; 0.000] | [-0.004; 0.016] | [-0.032; 0.007] |
| Healthcare | 0.012\* | -0.029\*\* | 0.015\* | -0.037\*\* | 0.014\* | -0.032\* | 0.014^ | -0.034\* |
|  | [0.002; 0.022] | [-0.047; -0.011] | [0.004; 0.025] | [-0.058; -0.017] | [0.003; 0.025] | [-0.053; -0.011] | [0.002; 0.026] | [-0.058; -0.010] |
| Environment | -0.025\*\* | 0.021\* | -0.012 | 0.008 | -0.018\* | 0.014 | -0.013^ | 0.009 |
|  | [-0.039; -0.011] | [0.005; 0.038] | [-0.026; 0.001] | [-0.008; 0.023] | [-0.033; -0.004] | [-0.003; 0.031] | [-0.026; -0.000] | [-0.007; 0.025] |
| Law and Order | 0.027\*\* | -0.011 | -0.009 | 0.012 | 0.019\* | -0.008 | -0.010 | 0.005 |
|  | [0.012; 0.043] | [-0.029; 0.006] | [-0.022; 0.004] | [-0.001; 0.025] | [0.006; 0.032] | [-0.023; 0.006] | [-0.023; 0.004] | [-0.011; 0.021] |
| Infrastructure | -0.021^ | 0.017 | -0.024\* | 0.020\* | -0.027\* | 0.020 | -0.020^ | 0.010 |
|  | [-0.041; -0.002] | [-0.003; 0.038] | [-0.039; -0.008] | [0.004; 0.036] | [-0.047; -0.007] | [-0.001; 0.042] | [-0.038; -0.003] | [-0.008; 0.028] |
| Random Intercepts |  |  |  |  |  |  |  |  |
| Mental Health | 0.344\*\*\* |  | 0.363\*\*\* |  | 0.362\*\*\* |  | 0.366\*\*\* |  |
|  | [0.286; 0.402] |  | [0.308; 0.418] |  | [0.305; 0.420] |  | [0.310; 0.421] |  |
| Adult Social Care | -0.127 |  | -0.218\* |  | -0.207\* |  | -0.233\* |  |
|  | [-0.276; 0.023] |  | [-0.375; -0.060] |  | [-0.364; -0.050] |  | [-0.421; -0.044] |  |
| Children Social Care | -0.293\*\* |  | -0.283\*\* |  | -0.256\* |  | -0.438\*\*\* |  |
|  | [-0.456; -0.129] |  | [-0.455; -0.112] |  | [-0.433; -0.079] |  | [-0.654; -0.222] |  |
| Healthcare | -0.538\*\*\* |  | -0.702\*\*\* |  | -0.630\*\*\* |  | -0.687\*\*\* |  |
|  | [-0.724; -0.351] |  | [-0.882; -0.521] |  | [-0.816; -0.444] |  | [-0.902; -0.471] |  |
| Environment | 0.213\* |  | 0.166^ |  | 0.214\* |  | 0.268\* |  |
|  | [0.068; 0.359] |  | [0.000; 0.332] |  | [0.051; 0.378] |  | [0.076; 0.460] |  |
| Law and Order | -0.174\*\*\* |  | 0.351\*\*\* |  | 0.051 |  | 0.290\*\* |  |
|  | [-0.246; -0.102] |  | [0.197; 0.506] |  | [-0.061; 0.163] |  | [0.112; 0.468] |  |
| Infrastructure | -0.087 |  | 0.010 |  | -0.061 |  | 0.063 |  |
|  | [-0.231; 0.058] |  | [-0.155; 0.175] |  | [-0.204; 0.083] |  | [-0.102; 0.228] |  |
| Random Slopes |  |  |  |  |  |  |  |  |
| Mental Health | -0.193\*\*\* |  | -0.191\*\*\* |  | -0.194\*\*\* |  | -0.194\*\*\* |  |
|  | [-0.201; -0.186] |  | [-0.199; -0.184] |  | [-0.201; -0.186] |  | [-0.202; -0.185] |  |
| Adult Social Care | 0.095\*\*\* |  | 0.085\*\*\* |  | 0.100\*\*\* |  | 0.111\*\*\* |  |
|  | [0.062; 0.129] |  | [0.052; 0.118] |  | [0.066; 0.133] |  | [0.073; 0.148] |  |
| Children Social Care | 0.155\*\*\* |  | 0.174\*\*\* |  | 0.175\*\*\* |  | 0.221\*\*\* |  |
|  | [0.110; 0.200] |  | [0.124; 0.224] |  | [0.124; 0.225] |  | [0.183; 0.260] |  |
| Healthcare | 0.114\*\*\* |  | 0.115\*\*\* |  | 0.115\*\*\* |  | 0.127\*\*\* |  |
|  | [0.097; 0.131] |  | [0.099; 0.131] |  | [0.099; 0.132] |  | [0.109; 0.145] |  |
| Environment | -0.112\*\*\* |  | -0.106\*\*\* |  | -0.119\*\*\* |  | -0.134\*\*\* |  |
|  | [-0.142; -0.082] |  | [-0.139; -0.073] |  | [-0.153; -0.085] |  | [-0.175; -0.093] |  |
| Law and Order | -0.063\*\*\* |  | -0.137\*\*\* |  | -0.097\*\*\* |  | -0.142\*\*\* |  |
|  | [-0.080; -0.047] |  | [-0.175; -0.100] |  | [-0.122; -0.071] |  | [-0.182; -0.102] |  |
| Infrastructure | -0.103\*\*\* |  | -0.119\*\*\* |  | -0.106\*\*\* |  | -0.118\*\*\* |  |
|  | [-0.143; -0.062] |  | [-0.164; -0.074] |  | [-0.146; -0.065] |  | [-0.165; -0.070] |  |
| Fit Measures (Scaled) |  |  |  |  |  |  |  |  |
| Number of Parameters | 413.000 | | 399.000 | | 413.000 | | 399.000 | |
| Chi-Squared | 5272.297 | | 5218.264 | | 5554.315 | | 4926.102 | |
| Degrees of Freedom | 1449.000 | | 1414.000 | | 1449.000 | | 1414.000 | |
| CFI | 0.892 | | 0.865 | | 0.867 | | 0.860 | |
| TLI | 0.869 | | 0.836 | | 0.838 | | 0.830 | |
| SMRM | 0.027 | | 0.035 | | 0.033 | | 0.035 | |
| RMSEA | 0.009 | | 0.010 | | 0.010 | | 0.011 | |
| RMSEA Lower Bound | 0.009 | | 0.010 | | 0.010 | | 0.011 | |
| RMSEA Upper Bound | 0.009 | | 0.010 | | 0.010 | | 0.011 | |
| AGFI | 0.883 | | 0.722 | | 0.740 | | 0.705 | |
| AIC | 803844.488 | | 1027459.107 | | 880239.283 | | 758277.056 | |
| BIC | 807293.737 | | 1030724.596 | | 883633.530 | | 761458.084 | |
| Log-Likelihood | -401509.244 | | -513330.554 | | -439706.641 | | -378739.528 | |