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| --- | --- | --- | --- |
| Table 2: Result of the SAC Model Taking Prevalence as the Dependent Variable | | | |
|  | Direct Impacts | Indirect Impacts | Total Impacts |
| Open Water (%) | -0.231923\*\*\* | 0.068225\*\*\* | -0.163698\*\*\* |
|  | (0.072038) | (0.022512) | (0.050807) |
| Open Space Developed Area (%) | -0.172223 | 0.050663 | -0.12156 |
|  | (0.360558) | (0.107107) | (0.254136) |
| Low Intensity Developed Area (%) | 0.480323 | -0.141298 | 0.339026 |
|  | (0.383814) | (0.113723) | (0.271906) |
| Medium Intensity Developed Area (%) | -1.931861\*\*\* | 0.5683\*\*\* | -1.363562\*\*\* |
|  | (0.590928) | (0.180937) | (0.422798) |
| High Intensity Developed Area (%) | 0.8496 | -0.249929 | 0.599672 |
|  | (0.696589) | (0.206108) | (0.493748) |
| Deciduous Forest (%) | -0.139624\*\* | 0.041074\*\* | -0.098551\*\* |
|  | (0.066787) | (0.0202) | (0.047203) |
| Evergreen Forest (%) | -0.080339 | 0.023634 | -0.056706 |
|  | (0.084448) | (0.024909) | (0.059795) |
| Mixed Forest (%) | -0.394239\*\*\* | 0.115974\*\*\* | -0.278265\*\*\* |
|  | (0.133787) | (0.041794) | (0.094123) |
| Shrub (%) | -0.110582 | 0.03253 | -0.078052 |
|  | (0.087635) | (0.026256) | (0.061774) |
| Grassland (%) | -0.03096 | 0.009108 | -0.021853 |
|  | (0.073891) | (0.021978) | (0.05206) |
| Woody Wetlands (%) | -0.025476 | 0.007494 | -0.017982 |
|  | (0.122301) | (0.0362) | (0.086342) |
| Emergent Herbaceous Wetlands (%) | 0.485201\*\* | -0.142733\*\* | 0.342469\*\* |
|  | (0.224188) | (0.066288) | (0.160146) |
| Gathering Restrictions (days) | -0.000967 | 0.000285 | -0.000683 |
|  | (0.010591) | (0.003107) | (0.007506) |
| Transport Closing (days) | 0.017704\*\*\* | -0.005208\*\*\* | 0.012496\*\*\* |
|  | (0.005734) | (0.001755) | (0.004088) |
| Staying Home (days) | -0.127064\*\*\* | 0.037379\*\*\* | -0.089685\*\*\* |
|  | (0.019363) | (0.00683) | (0.013912) |
| Internal MoRe (days) | 0.157108 | -0.046217 | 0.110891 |
|  | (0.190666) | (0.056357) | (0.134936) |
| International MoRe (days) | 0.052411 | -0.015418 | 0.036993 |
|  | (0.188339) | (0.055714) | (0.133019) |
| Population 15-44 (%) | -1.532032\*\*\* | 0.450681\*\*\* | -1.081351\*\*\* |
|  | (0.282925) | (0.092565) | (0.20586) |
| Population 45-64 (%) | -1.875023\*\*\* | 0.551579\*\*\* | -1.323444\*\*\* |
|  | (0.356314) | (0.117443) | (0.257433) |
| Population >= 65 (%) | -2.350508\*\*\* | 0.691454\*\*\* | -1.659054\*\*\* |
|  | (0.27225) | (0.099596) | (0.207722) |
| Black People (%) | -0.463024\*\*\* | 0.136209\*\*\* | -0.326815\*\*\* |
|  | (0.080368) | (0.027638) | (0.057384) |
| Hispanic People (%) | 0.198655\* | -0.058439\* | 0.140216\* |
|  | (0.103038) | (0.030637) | (0.073239) |
| Male (%) | 3.143065\*\*\* | -0.924602\*\*\* | 2.218463\*\*\* |
|  | (0.259911) | (0.112796) | (0.206971) |
| Unemployment Rate | 0.541061 | -0.159165 | 0.381896 |
|  | (0.559721) | (0.165544) | (0.396054) |
| Median Household Income (logarithm) | -31.956257\*\*\* | 9.400638\*\*\* | -22.555619\*\*\* |
|  | (6.330123) | (2.037901) | (4.587318) |
| Poverty Rate (%) | -0.422528\* | 0.124296\* | -0.298232\* |
|  | (0.229069) | (0.068364) | (0.162612) |
| Adults Without High School Diploma (%) | 0.128418 | -0.037777 | 0.090641 |
|  | (0.14871) | (0.044178) | (0.105023) |
| Poor Health Rate (%) | 0.416833 | -0.122621 | 0.294212 |
|  | (0.506967) | (0.150881) | (0.357505) |
| Poor Physical Health (days) | 2.526838 | -0.743325 | 1.783513 |
|  | (3.594016) | (1.060744) | (2.542089) |
| Poor Mental Health (days) | -2.528876 | 0.743925 | -1.784952 |
|  | (3.319548) | (0.981407) | (2.34709) |
| Adult Smoking Rate (%) | 0.119984 | -0.035296 | 0.084688 |
|  | (0.402139) | (0.118423) | (0.284535) |
| Obesity Rate (%) | 0.363426\*\* | -0.10691\*\* | 0.256516\*\* |
|  | (0.180932) | (0.054371) | (0.128235) |
| Physical Inactivity Rate (%) | 0.559892\*\*\* | -0.164705\*\*\* | 0.395188\*\*\* |
|  | (0.180067) | (0.055336) | (0.128256) |
| Having Access To Exercise Opportunities (%) | 0.254658\*\*\* | -0.074913\*\*\* | 0.179745\*\*\* |
|  | (0.025743) | (0.010531) | (0.019218) |
| Hospital Beds (bed/1000) | 0.514691\*\*\* | -0.151408\*\*\* | 0.363284\*\*\* |
|  | (0.103005) | (0.033162) | (0.074523) |
| Average Temperature In Summer | 4.442997\*\*\* | -1.307006\*\*\* | 3.135992\*\*\* |
|  | (0.774849) | (0.28612) | (0.528971) |
| Average Temperature In Winter | -0.593354 | 0.174548 | -0.418806 |
|  | (0.485631) | (0.144772) | (0.343102) |
| Average Relative Humidity In Summer | 0.510341\*\* | -0.150128\*\* | 0.360213\*\* |
|  | (0.230012) | (0.069217) | (0.163197) |
| Average Relative Humidity In Winter | -0.350458 | 0.103095 | -0.247363 |
|  | (0.294551) | (0.087423) | (0.208419) |
| PM2.5 | 1.657234 | -0.487512 | 1.169722 |
|  | (1.05481) | (0.316816) | (0.744562) |
| Spatially lagged dependence coefficient (ρ) | -0.38423\*\*\* | Log likelihood | -14416.31 |
| Spatially error dependence coefficient (λ) | 0.76938\*\*\* | AIC | 28921 |
| Number of observations | 3103 | R2 | 0.5990 |
| Note: the standard errors of the estimated parameters are list in the parentheses.  \*\*\*: p<0.01; \*\*:p<0.05; \*:p<0.1 | | | |